

100% WHEY (Lactowhey) Pure Whey Isolate: A premium protein to help build muscle, spark recovery, support the immune system

Govind Shukla, Neha S.Giri, C.J. Sampath Kumar

Lactonova Nutripharm (P) Ltd, Makers of 100% Whey (Lactowhey) Pure whey isolate
81/3, IDA Mallapur, Hyderabad, Telangana, India- 500 076.

Corresponding author: Govind Shukla

ABSTRACT

Protein is critical to build and maintain muscle, recover post-workout, support immune function, stabilize energy, and helps to feel fuller, longer. Whey protein's unique blend of amino acids has been shown to be more effective in elevating performance compared to other forms of protein. Whey protein isolate has been well-studied in recent years and shown to provide optimal benefits as part of post-workout recovery.

Whey protein is high in leucine, an amino acid that signals muscles to recover and repair after a workout. Research has shown that it's the amount of leucine, not the amount of protein, that best repairs and helps maintain muscle. Isolates are virtually fat-free for those wishing to eliminate as much fat for their diet as possible. Our whey protein isolate contains approximately 4.8 grams of leucine per serving, the amount shown to provide these benefits.

100% WHEY (LACTOWHEY) Pure Whey Isolate, A premium protein to help build muscle, spark recovery, support the immune system

Whey protein isolate is sourced from cows that haven't been treated with hormones. It contains no artificial colors or sweeteners, no carrageenan, and no gluten.

Keywords: Lactowhey, Pure Whey Isolate, Essential Amino acids, Build muscle, Spark recovery, Supports immune system.

INTRODUCTION

Table 1. Types of Commercially Available Whey Proteins

Product Description	Protein Concentration	Fat, Lactose, and Mineral Content
Whey Protein Isolate	90-95%	Little if any
Whey Protein Concentrate	Ranges from 25-89% Most commonly available as 80%	Some fat, lactose, and minerals As protein concentration increases, fat, lactose, and mineral content decreases.
Hydrolyzed Whey Protein	Variable Hydrolysis used to cleave peptide bonds Larger proteins become smaller peptide fractions Reduces allergic potential compared with non-hydrolyzed	Varies with protein concentration
Undenatured Whey Concentrate	Variable Usually ranges from 25-89%	Some fat, lactose, and minerals As protein concentration increases, fat, lactose, and mineral content decreases. Processed to preserve native protein structures; typically have higher amounts of immunoglobulins and lactoferrin

Whey protein, an excellent protein, is chosen by individuals of all ages who value the role of a healthy diet in helping to maintain and improve their health. Indeed, there are references to various health benefits of whey in Italian Literature dating back to early 17th century [1-3].

Whey protein contains 20% of total milk protein, consists of several different proteins, including β -lactoglobulin (β -LG), α -lactalbumin (α -LA), the heavy- and light-chain immunoglobulins (Igs), bovine serum albumin (BSA), lactoferrin (LF), lactoperoxidase, and glycomacropeptide (GMP) [4]. Whey also includes the proteose-peptone components and low-molecular weight products formed by the enzymatic degradation of the caseins during the cheesemaking process [5].

Whey protein contains all 20 amino acids and all nine essential amino acids, and it is a rich and balanced source of the sulphur amino acids that serve a critical role as antioxidants as precursors to the potent intracellular antioxidant glutathione and in one-carbon metabolism [6]. It contains three to four

times more bioavailable cysteine than other proteins. Cysteine is important for the biosynthesis of glutathione, a tripeptide with antioxidant, anticarcinogen, and immune stimulatory properties. It also plays a key role in the regulation of whole body protein metabolism, which results in changes in body composition [7, 8]. Leucine is a particularly important factor in tissue growth and repair [9].

Leucine, isoleucine, and valine are thought to play a role as metabolic regulators in protein and glucose homeostasis and lipid metabolism, and play a role in weight control [7, 10-13]. Current evidence for the potential of whey proteins and peptides to have health benefits beyond basic nutrition, that is to act as functional foods/food ingredients, arises from a number of sources.

Emerging research findings largely from *in vitro*, experimental animals and limited human studies suggest a number of beneficial bioactivities of whey and whey components. Whey protein supplementation has many proven benefits [14].

Condition	Dose of Whey Protein	Study Duration	Results
Cancer	30 g daily	6 months	2 of 5 patients had tumor regression Results suggested an increase in glutathione levels in healthy cells and decreased glutathione levels in cancer cells
	40 g daily Stage 4 malignancies Used other natural therapies.	6 months	16/20 survivors at 6 months Increased NK cell function Increased glutathione Increased hemoglobin and hematocrit Improved quality of life
Hepatitis B	12 g daily	12 weeks	Decreased serum lipid peroxidase levels Increased IL-2 and NK activity Decreased serum alanine transferase activity Increased plasma glutathione levels
HIV	45 g daily	2 weeks and 6 months	Increased glutathione levels in both trials
Cardiovascular Risk Factors	200 mL of fermented milk combined with liquid whey daily	8 weeks	Increased HDL Decreased triglycerides Decreased systolic BP Decreased total cholesterol
Exercise	1.2 g/kg body weight daily	12 weeks	Improved lean tissue mass Improvement in one of four muscle strength measurements
	10 g twice daily	3 months	Significant improvements in peak power Significant increase of 30-second work capacity Increased lymphocyte glutathione levels
Infant Formula	Standard Cow Formula vs Partially Hydrolyzed Whey Formula (doses varied)	12 weeks	Increased Bifidobacteria proportion Increased gastrointestinal immunity Decreased potential for developing atopic diseases
		1 week	Decreased incidence of infantile colic

Antimicrobial and Antiviral Activities

Milk proteins contain many biologically active proteins. Protein and peptides, in milk, specifically whey, show promise as antibacterial and antiviral modifiers. Whey contains several components which may protect against toxins, bacteria, and viruses.

These components include Igs, LF and its peptide derivative, lactoferrin, lactoperoxidase, GMP and sphingolipids [15, 16]. Furthermore, antimicrobial peptides may be generated from whey protein by proteolysis during gastrointestinal transit [17]. LF, α -LA and β -LG have been assayed for inhibitory

activity against human immunodeficiency virus type-1 (HIV-1) [18].

In particular, β -LG may be potential agents for preventing transmission of genital herpesvirus infections as well as the spread of HIV [19]. LF and lactoferrin inhibit a diverse range of microorganisms including gram-negative bacteria, gram-positive bacteria, yeast, fungi and parasitic protozoa [20].

It has been shown to inhibit the growth of some harmful foodborne pathogens such as *E. coli* and *Listeria monocytogenes* [16]. LF also shows significant antiviral activity against human

immunodeficiency virus, human cytomegalovirus (HCMV), herpes viruses, human papillomavirus (HPV), alphavirus and hepatitis C, B and G viruses, among others. In addition, LF is effective against several non-enveloped viruses like rotavirus, enterovirus, poliovirus (PV), adenovirus and feline calicivirus (FCV) [21]. It can enhance the antibacterial activity of lysozyme [22]. The antimicrobial role of LF is of particular interest to intestinal function and in the prevention of gastrointestinal diseases through control of intestinal microflora. While LF exhibits bactericidal activity against pathogens such as coliforms, it also provides probiotic support for beneficial microorganisms such as *Bifidobacteria* and *Lactobacilli* ssp. [23]. *Helicobacter pylori* is known as the causative agent in the majority of duodenal ulcers.

It is believed to be responsible for 50%-60% of all gastric carcinomas. A number of studies have reported that daily administration of LF positively suppresses gut colonization of *Helicobacter pylori* in infected subjects [24]. Whey protein activates immune cell and/or prevents infection. Whey protein shows promise to help combat rotaviral diarrhea, which is a common infection that results in the death of nearly 500,000 children annually [25].

Recent studies have shown that whey protein (α -LA) fed infants had no diarrhea [26]. The natural antimicrobial action of lactoperoxidase is being used in a range of oral healthcare products and is finding application in such products directed toward the prevention and treatment of xerostomia (dry mouth). The lactoperoxidase containing products have been clinically proven to inhibit harmful microorganisms associated with gingivitis and oral irritation, to promote the healing of bleeding gums and reduce inflammation, and combat both the causes and effects of halitosis (bad breath) [27].

In vitro, findings are indicated that the whey-derived sphingolipids, sphingosine and lysosphingomyelin, have antimicrobial activity [28]. Glutathione protects the cells against free radical damage during exercise [29]. Also, it could potentially decrease infection in HIV infected children. Whey protein can stimulate glutathione synthesis. Oral whey protein supplementation increases glutathione levels in HIV infected children. Whey protein isolate supplementation can possibly decrease the occurrence of associated co-infections [30]. Caseinophosphopeptides and GMP inhibit growth of cariogenic bacteria. Glycomacropptide

inhibits streptococcus mutans [31]. One study demonstrated that the inclusion of specific immunoglobulins in a food product may extend the shelf life of the product while it also helping in the prevention of dental caries and oral infections [32].

Immune Modulating Activity

Whey products and its components are shown to participate in host immunity [33]. Whey contains bioactive components that may offer protection against infections and viruses, enhance immunity, protect against some cancers. In particular, three whey peptides are known to boost the immune system by increasing production of glutathione (α -LA, β -LG and LF). Growth factors known as IgF-I and IgF-II promote gut health and wound healing [34].

Immune response is the highest in dietary whey protein. A number of whey proteins (α -LA, β -LG, LF) have been cited for their immunomodulatory effects on the body's immune system. Immune response of whey protein (α -LA) was higher than casein, soy or whey protein [35].

LF is secreted by neutrophils and can stimulate the growth of various cells of the immune defense system including lymphocytes, macrophages/monocytes, humoral immune response, and antibody response [36]. GMP, κ -casein f (106-169), is a highly biologically active peptide that has the ability to modulate immune function [37]. Whey proteins contain some immunomodulating peptides which can be released by enzymatic digestion.

Identification and isolation of these bioactive peptides could provide insights into the preparation of potent immunomodulating products [38]. α -Lactorphin, α -LA f (50-53), and β -LG f (102-105), β -lactorphin also act as ACE (angiotensin converting enzyme) inhibitors [39]. Enzymatic hydrolyses of α -LA have the ability to bind calcium, copper, iron, magnesium, manganese, phosphorus and zinc [40].

LF has shown to play a major role in iron regulation in mammals. Another advantage to the use of iron-saturated LF observed in the human trial was that it did not produce any of the common side effects of iron supplements such as stomach pain, cramps [41].

Anticarcinogenic Properties

Cancer patients undergoing radiation or chemotherapy often have difficulty in meeting their daily nutritional requirements due to nausea and lack

of appetite. Whey protein is an excellent protein choice for cancer patients as it is very easy to digest and very gentle to the system [42, 43]. Whey proteins and peptides, as well as the other whey components, may protect against some cancers [33]. Diets supplemented with lactoferrin or with β -LG enhance protection against the development of putative tumor precursors. The mechanism behind the apparent anticancer activity of dietary whey protein in these studies may be related to their sulfur amino acid contents (cysteine, methionine) [44].

Whey protein is more protective against development of intestinal tumors. Dairy proteins, particularly whey offers protection against intestinal induced tumors when compared to other protein sources. Diets containing whey have been shown to reduce intestinal, mammary, and colon cancers [45]. Total dietary whey protein was demonstrated to have a protective effect against the development of colon cancer in the young rat when compared with other common proteins, including casein, meat and soy. Intracellular concentration of glutathione, an anticarcinogenic tripeptide, measured in liver, was greatest in whey protein and casein. Whey is a source of precursors (cysteine-rich proteins) for glutathione synthesis and it may be important in providing protection to the host by stimulating glutathione synthesis [46].

Whey proteins contain other critical components with proven health benefits. Its low molecular weight peptides are natural antioxidants potentiators that may protect body tissues from aging and certain cancers [47]. In a vitro study, whey protein isolate enhanced the effectiveness of an anticancer drug [48]. Among individual whey proteins, attention has focused on the cancer inhibitory effect of LF and lactoferrin. In laboratory animals given chemical carcinogens, bovine lactoferrin has been shown to significantly inhibit colon, esophagus, lung, and bladder cancers when administered orally in the post-initiation stage [49, 50].

When human prostate epithelial cells were treated with whey protein isolate, intracellular levels of glutathione dramatically increased [51]. Sphingomyelin and other sphingolipids suppress colon tumor development in animal experiments [52]. A variety of studies suggest a beneficial role for calcium against some cancers [53]. Whey proteins combat skin cancer. Treatment with topical α -lactalbumin-oleic acid has a beneficial and lasting effect on skin papillomas [54]. BSA may also display

anticancer activity. Breast cancer in human is inhibited by several commercial BSA preparations during *in vitro* cell culture [55]. Mader et al. [56] also demonstrated that the nature of both synthetic and pepsin-generated lactoferrin B is against human leukemia and carcinoma cell lines (Colon, breast, and ovary).

Cardiovascular Health

Whey proteins potentially improve cardiovascular health. Milk peptides help lower high blood pressure [57]. Fermented milk with whey protein isolate lowers triglyceride levels in the blood [58]. Also, whey protein improves blood pressure and vascular function in overweight and obese individuals [59]. Wang et al. [60] reported that β -LG had the ability to bind cholesterol. Furthermore, LF was reported to significantly inhibit the accumulation of cellular cholesterol esters in macrophages by acting as a scavenger in a vitro study. Hydrolyzed whey protein isolate reduced blood pressure and cholesterol [61].

Whey peptides have been shown to inhibit the activity of ACE. ACE converts the inactive angiotensin I hormone into angiotensin II which constricts vascular smooth muscle thereby, increasing blood pressure. Inhibition of ACE lowers blood pressure. 20 g dose of hydrolyzed whey protein isolate decreases blood pressure and it increases white blood cell count. It also decreases low-density lipoprotein (LDL) cholesterol [62].

Whey protein exhibits anti-hypertensive effects. β -lactosin B from a commercial whey product is a new anti-hypertensive peptide [63]. whey protein supplementation has the potential to be used as an added component in dietary plans and in functional foods aimed in the management of the metabolic syndrome risk factors.

Physical Performance

Whey and whey components offer several benefits for individuals with physically active lifestyles [64]. Whey protein is a rich source of branched chain amino acids (BCAAs), containing the highest known levels of any natural food source. BCAAs are important for athletes since unlike the other essential amino acids, they are metabolized directly into muscle tissue and these are the first ones used during periods of exercise and resistance training. Whey protein provides the body with BCAAs to replenish decreased levels and start repairing and rebuilding lean muscle tissue. Essential

amino acids and whey protein are equally effective in stimulating muscle protein synthesis in elderly individuals [65].

These amino acids provide an energy source during endurance exercise which allows athletes to train more intensively for longer periods of time [66]. Moreover, whey protein is an excellent source of the essential amino acid, leucine. Leucine is important for athletes as it plays a key role in promoting muscle protein synthesis and muscle growth. Research has shown that individuals who exercise benefit from diets high in leucine and have more lean muscle tissue and less body fat compared to individuals whose diet contains lower levels of leucine. Whey protein is easy to digest protein and is efficiently absorbed into the body. It is often referred to as a “fast” protein for its ability to quickly provide nourishment to muscles [29]. Indeed, its consumption has been shown to result in faster muscle protein synthesis as compared to other proteins.

This makes whey protein more effective than other proteins for repairing exercise-related muscle damage and building bigger, stronger muscles. Its consumption results in a higher peak amino acid concentration in the blood than other proteins [67]. Whey proteins are rich in the amino acids, arginine and lysine, which may increase the release of growth hormone, a stimulator of muscle growth. Whey protein contains creatine showing an increase in lean muscle fiber adaptations [68]. Milk protein is better than soy protein for greater gains in lean mass and greater muscle hypertrophy. 20 g of whey protein casein switches net amino acid balance to positive after ingestion. It influences muscular power and strength and increase intracellular glutathione. It increases net protein gain. The rate of protein digestion affects protein gain differently during aging in humans.

Whey protein is digested faster than casein. Faster digestion gives rise to a quicker amino acid flood into muscle cells. Whey protein is the preferred protein for net protein gain [69]. Dietary protein and resistance training affect muscle body composition in older persons. Adequate intake of protein combats sarcopenia. Resistance training helps older people gain muscle, hypertrophy muscle, and increase whole body fat-free mass. Adequate intake of protein and resistant exercise synergistically can reduce sarcopenia [70].

Weight Management

Studies show that achieving and maintaining a healthy weight can add years to life and help prevent weight related complications, including diabetes, cancer and heart disease. Diet plays a key role in any weight management program and adding whey protein often helps make a positive difference. Whey protein is a good choice for diabetics who need to carefully manage food intake. It has potential as an added component in dietary plans and in functional foods aimed at control of appetite and body weight and in the management of the metabolic consequences of excess body fat. It has potential as physiologically functional food component for persons with obesity and its co-morbidities (hypertension, type II diabetes, hyper- and dislipidemia) [71]. It is the best protein for fat loss during energy restricted diets, when combined with exercise [72]. It improves body composition and reduces waist circumference. The researchers found that individuals who consumed whey protein weighed less, had less body fat [73].

Whey protein is the best protein for fat loss during energy restricted diets [72]. It influences on appetite and hunger controlling hormones [74]. A high-protein diet reduces energy intake and adiposity and that whey protein is more effective than red meat in reducing body weight gain and increasing insulin sensitivity [75]. In addition, whey protein helps control blood glucose levels and has been shown to be beneficial for weight management, both of which are often a concern for type-II diabetics. The meal with α -lactalbumin preserves lipid oxidation and rapidly delivers amino acids for use during exercise improved the efficiency of exercise training to decrease adiposity [76].

Bone Health

Milk contains several components effective for bone health. Milk basic protein promotes bone formation and suppresses bone resorption in healthy adult men. Milk basic protein is in the whey protein fraction. 300 mg of milk basic protein increases serum osteocalcin concentrations. Milk basic protein promotes bone formation and suppresses bone resorption [77]. The milk basic protein of whey is the active protein that activates osteoblast. The active component in the whey protein plays an important role in bone formation by activating osteoblasts [78].

LF is a potent regulator of bone cell activity and increases bone formation *in vivo*. It increases

osteoblast differentiation and forms new bone formation. It also decreases bone breakdown [79]. It has powerful anabolic, differentiating and anti-apoptotic effects on osteoblasts, and inhibits osteoclastogenesis. It is a potential therapeutic target in bone disorders such as osteoporosis and possibly an important physiological regulator of bone growth [80]. Glycomacropeptide has shown inhibitory

activity to enamel demineralization and promotes tooth enamel

Remineralization [31]. Some whey components (e.g., proteose-peptones) may protect against tooth tissue demineralization, and other whey components, because of their immunostimulatory effects, may have favorable effects on dental plaque [81].

BENEFITS OF 100% WHEY (LACTOWHEY), WHEY PROTEIN ISOLATE.

Whey Components	% of Whey Protein	Benefits
beta-Lactoglobulin	50-55%	Source of essential and branched chain amino acids
alpha-Lactalbumin	20-25%	Primary protein found in human breast milk Source of essential and branched chain amino acids
Immunoglobulins	10-15%	Primary protein found in colostrum Immune modulating benefits
Lactoferrin	1-2%	Antioxidant Antibacterial, antiviral, and antifungal Promotes growth of beneficial bacteria Naturally occurs in breast milk, tears, saliva, bile, blood, and mucus
Lactoperoxidase	0.50%	Inhibits growth of bacteria
Bovine Serum Albumin	5-10%	Source of essential amino acids Large protein
Glycomacropeptide	10-15%	Source of branched chain amino acids Lacks the aromatic amino acids phenylalanine, tryptophan, and tyrosine

LACTOWHEY, Whey protein unique blend of amino acids has been shown to be more effective in elevating performance compared to other forms of protein. 100% WHEY (LACTOWHEY): ,Whey protein isolate has been well-studied in recent years and shown to provide optimal benefits as part of post-workout recovery.

LACTOWHEY, whey protein isolate is sourced from cows that haven't been treated with hormones. 100% WHEY (LACTOWHEY): contains no artificial colors or sweeteners, no carrageenan, and no gluten. 100% WHEY (LACTOWHEY): contains no Artificial sweeteners like Aspartame, acesulfame k, sucralose which are added in many of the products available in a market. 100% WHEY (LACTOWHEY): contains Natural sweetener Stevia

rebaudioside 95A.(Safest Natural Sweetener Available) 100% WHEY (LACTOWHEY): Whey Protein isolate is NSF Certified for Sport.

An imbalance in brain serotonin levels is a possible factor manifesting the negative effects of chronic stress, fatigue, and delirium [82]. α -LA, a whey protein in cow's milk with a high content of tryptophan (a precursor of serotonin) improves cognitive performance (i.e. memory scanning) in stress-vulnerable individuals. α -LA rich whey protein increases serotonin activity. Stressed individuals were less stressed when they fed α -LA [83]. It reduces sleepiness and improves attention processes [84].

100% WHEY (LACTOWHEY) formula based on predigested (hydrolyzed) whey protein is little less

allergenic than standard infant formula and possibly decrease the risk that the infant will later develop allergies [85]. Whey protein is often the preferred choice for high protein products recommended by physicians following surgery or burn therapy. Whey protein contains many of the same components found in human breast milk and for this reason, it is a key ingredient in a wide variety of infant formulas, including those for premature infants. In addition, whey protein is an excellent protein choice for the expectant mother who needs increased amounts of protein. Whey protein isolate protects gastric mucosa from ethanol damage. The protective properties are due to sulfhydryl compounds, stimulators of glutathione synthesis [86]. Whey protein is digested quickly and provides a quick rise in plasma amino acids [87].

Benefits of Papain (Papaya extract) in 100% WHEY (LACTOWHEY)

Papain is a proteolytic enzyme derived from the papaya, which means that its main purpose is to cut up other enzymes so that they're more easily absorbed by the body. Papain is also an anti-inflammatory agent, having a mild, soothing effect when ingested.

Break down protein& speed up protein digestion

There are certain kinds of proteins that the stomach finds harder break down and digest than other proteins such as egg white protein and bovine immunoglobulin protein. Papain in **100% WHEY (LACTOWHEY): 100% Whey powder** "chop" up these proteins so that they can be more easily assimilated into the body. Body needs a high amount of protein every day **papain in 100% WHEY (LACTOWHEY): 100% Whey powder speeds up protein digestion** to drastically shorten the time it takes from steak to muscle.

Break down gluten

Papain in **100% WHEY (LACTOWHEY): 100% Whey powder** to break down gluten into its

non-allergenic amino acid components which their stomachs can tolerate to a greater extent.

Support faster recovery

Papain in **100% WHEY (LACTOWHEY): 100% Whey isolate** is used to speed up the overall recovery time for athletes who have sprains and strains.

Benefits of Bromelain (pine Apple extract) in 100% WHEY (LACTOWHEY) 100% Whey isolate

Bromelain is a sulfur-containing proteolytic digestive enzyme that is isolated from the stem and the fruit of the pineapple plant (*Ananas comosus*, family Bromeliaceae). bromelain is believed to assist in the digestion of proteins. it is believed to act medicinally as an anti-inflammatory agent. Clinical studies approved bromelain for the treatment of swelling/inflammation caused by injuries and surgery.

SUMMARY & CONCLUSION

The health benefits of LACTOWHEY, A premium protein to help build muscle, spark recovery, support the immune system, and keep feeling full have been a subject of growing commercial interest in the context of health-promoting functional foods. Whey components, particularly the proteins and peptides, will increasingly be preferred as ingredients for functional foods and nutraceuticals as active medical agents.

They built upon the strong consumer trends for health and wellbeing, and continuing discovery and substantiation of the biological functionality of whey constituents. As a result, major developments by the food and healthcare sectors in the widespread application of whey proteins and their associated peptides as functional food ingredients, nutraceuticals, and dietary supplements.

Supplement Facts



Flavours :
Vanilla & Chocolate
Available in 2LB

WHEY ISOLATE (LACTOWHEY)

- Helps to build muscle mass, supports immune function, stabilizes energy and keeps you full.
- Is high in leucine, an amino acid that signals your muscles to recover and repair after an intense workout.
- No added artificial sweeteners (aspartame, acesulfame, sucralose... etc.).
- WHEY ISOLATE is sourced from cows that are not treated with any hormones and added with plant enzymes for protein digestion.

100% WHEY (LACTOWHEY) Pure Whey Isolate: A premium protein to help build muscle, spark recovery, support the immune system

Composition

Each 30Grams of 100% WHEY (LACTOWHEY): whey protein isolate contains: Whey Protein Isolate -24 grms, Bromelian-(pine Apple Extract)-38 mg, Papin (Papaya Extract)-25 mg, Iron-1mg, Sodium: 100 mg, Potassium: 80 mg, Calcium-80 mg, Maize Extract: 1 gram

Product Description

Protein is critical to build and maintain muscle, recover post-workout, support immune function, stabilize energy, and helps feel fuller, longer. LACTOWHEY, Whey protein unique blend of amino acids has been shown to be more effective in elevating performance compared to other forms of protein. 100% WHEY (LACTOWHEY);, Whey protein isolate has been well-studied in recent years and shown to provide optimal benefits as part of post-workout recovery. LACTOWHEY, whey protein isolate is sourced from cows that haven't been treated with hormones.

100% whey (lactowhey)

contains no artificial colors or sweeteners, no carrageenan, and no gluten.

100% whey (lactowhey)

Whey Protein isolate is NSF Certified for Sport.

Suggested Use

Mix 1 level scoop of powder with at least 8 ounces of water, juice, or preferred beverage daily or as recommended by your health-care or performance professional.

WARNINGS: ALLERGY WARNING

This product is contraindicated in an individual with a history of hypersensitivity to any of its ingredients.

Pregnancy

If pregnant, consult your health-care practitioner before using this product.

Interaction

There are no known adverse interactions or contraindications at publication date.

FAQS

Is the 100% WHEY (LACTOWHEY): free of hormones?

Yes. The dairy for our whey protein isolate comes from cows not treated with hormones.

If I'm sensitive to lactose or dairy, is 100% WHEY (LACTOWHEY);, whey protein isolate the best protein source for me?

Even though whey protein is traditionally low in lactose, people who are lactose intolerant and/or have dairy sensitivity should consider using our Vegan Protein or Aminos to avoid any digestive distress (gas and/or bloating).

How does 100% WHEY (LACTOWHEY): taste?

100% WHEY (LACTOWHEY): tastes great, but everyone is different when it comes to taste.

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