

Klean Casein
Natural Chocolate Flavor

DESCRIPTION

Klean Casein by Klean Athlete is a NSF Certified for Sport® supplement that supplies 24 grams of high quality protein from micellar casein in each serving. Casein is a slow digesting protein that may help support recovery after exercise. In addition, casein contains naturally occurring electrolytes (sodium and potassium) to help replenish hydration lost during activity.‡

Klean Casein is tested and certified by the NSF Certified for Sport program, which was created to meet the growing demands of athletes, coaches and healthcare professionals to certify that sports supplements are safe and completely free from banned substances. Every product that carries the NSF Certified for Sport mark has undergone stringent laboratory testing to confirm content, purity and compliance.

FUNCTIONS AND MECHANISM OF ACTION

The dietary protein provided by Klean Casein supplies essential amino acids, including branched-chain amino acids, that participate in many of the body’s metabolic and physiologic systems. Protein turnover in the body is continuous and can be substantial, and the rebuilding of skeletal muscle that is broken down during exercise is critically important to athletes. The dynamics of this constant degradation and re-synthesis demand a daily supply of dietary protein and their constituent amino acids. Essential or indispensable dietary amino acids must be supplied by the diet, as they are not synthesized by the body.

Recent analyses of dietary protein requirements suggest that age and activity level may influence those requirements for optimum health. Some scientists have also suggested that increased protein synthesis follows prolonged exercise. Athletes competing in bodybuilding or endurance sports may require significantly more total protein from food and supplements combined, typically in ranges of 1.0-1.5 g protein/kg of body weight.‡

As a slow digesting protein, casein has unique features that separate it from other protein products. Slow-digesting proteins provide a steadier release of amino acids into the bloodstream compared to fast-digesting proteins, such as whey isolate. Casein may thereby help maintain a positive nitrogen balance, support satiety and facilitate muscle recovery.‡

FORMULA (KA57776P)

Serving Size 1 Scoop(approx. 32.9g)

Servings Per Container approx. 20

Amount Per Serving

Calories	110
Total Fat	0.5 g
Cholesterol	20 mg
Total Carbohydrate.....	3 g
Dietary Fiber.....	1 g
Total Sugars.....	<1 g
Protein.....	24 g
Calcium	550 mg
Sodium	140 mg
Potassium	250 mg

Other Ingredients: Micellar casein (milk),alkali processed cocoa powder, natural flavors, salt, stevia leaf extract (Rebaudioside A), monk fruit extract.

Gluten-free, Non-GMO

Typical Amino Acid Profile from Casein

Alanine	672 mg
Arginine	710 mg
Aspartic acid.....	1579 mg
Cystine	158 mg
Glutamic acid.....	4375 mg
Glycine	374 mg
Histidine	509 mg
L-Isoleucine	1,068 mg
L-Leucine.....	2,011 mg
L-Lysine.....	1,757 mg
L-Methionine	602 mg
L-Phenylalanine.....	996 mg
L-Proline	2028 mg
L-Serine.....	1152 mg
L-Threonine	910 mg
L-Tryptophan	310 mg
L-Tyrosine.....	1042 mg
L-Valine.....	1,284 mg

SUGGESTED USE

Adults take 1 scoop mixed into 10-12 ounces of water or other beverage, or as directed by trainer, coach or health care professional.

WARNING

If you are pregnant, nursing, have any health condition or taking any medication, consult your health professional before using this product.

Keep out of reach of children.

STORAGE

Store in a cool, dry place, away from direct light. Use only if safety seal is intact.

REFERENCES

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