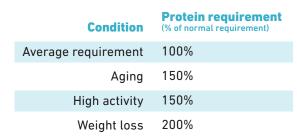
To preserve muscle mass, protein recommendations during weight loss are up to 2x HIGHER

During weight loss, as much as 33% of weight lost may come from muscle. Muscle mass isn't just important for athletes and gym-goers – it's essential for activities of daily living. Studies show increased protein intakes during weight loss preserve muscle mass, leading to more favorable body compositions at the end of the weight loss period. For these reasons, protein recommendations are much higher for people losing weight.



Higher protein weight loss diets lead to similar or greater weight loss while preserving more fat-free mass than standard protein weight loss diets.¹

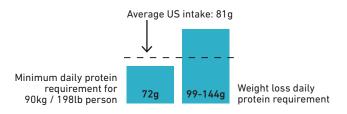
Protein recommendations, such as those from the Academy of Nutrition and Dietetics Nutrition Care Manual or findings from systematic reviews², can be 50%-100% higher for people losing weight than the standard recommendation of 0.8 g/kg/body weight per day, with older adults, athletes, and those undergoing very-low calorie diets needing the most protein during weight loss.



Wycherley TP, Moran LJ, Clifton PM, Noakes M, Brinkworth GD. Effects of energy-restricted high-protein, low-fat compared with standard-protein, low-fat diets: a meta-analysis of randomized controlled trials. Am J Clin Nutr. 2012 Dec;96(6):1281-98. doi: 10.3945/ajcn.112.044321. Epub 2012 Oct 24. PMID: 23097268. Available at https://pubmed.ncbi.nlm.nih.gov/23097268.

²Heather J Leidy, Peter M Clifton, Arne Astrup, Thomas P Wycherley, Margriet S Westerterp-Plantenga, Natalie D Luscombe-Marsh, Stephen C Woods, Richard D Mattes, The role of protein in weight loss and maintenance 234, The American Journal of Clinical Nutrition, Volume 101, Issue 6, 2015, Pages 1320S-1329S, ISSN 0002-9165, https://doi.org/10.3945/aicn.114.084038.

However, according to the National Health and Nutrition Examination Survey (NHANES), intakes of protein are typically lower than these recommendations. Protein supplementation can be an effective way to bridge the gap for those who have trouble eating enough protein from food.



Protein supplementation can help meet increased protein needs

1 Tablespoon of ISOPURE® Zero Carb Unflavored Protein Powder =

5g protein

(Add to oatmeal, dips, scrambled eggs, mashed potatoes)



Half scoop =

12.5g protein (add to yogurt, soups, sauces, casseroles)



Whole scoop =

25g protein (add to smoothies, protein shakes, recipes)



For more information, patient handouts, and product offerings, visit our website!

SUPPORTING PATIENT PROTEIN NEEDS DURING WEIGHT LOSS



NOT ALL PROTEINS ARE THE SAME WHEN IT COMES TO WEIGHT LOSS

Whey is well-suited to support muscle health during weight loss.

Whey protein isolate is a complete, high-quality milk protein that has been ultra-filtered to remove the majority of the naturally occurring fats and sugar (lactose) found in milk. Gram for gram, it is one of the purest forms of protein on the planet and is the cornerstone ingredient from which ISOPURE® derives its name. High-quality protein sources, such as whey protein, naturally contain all nine of the essential amino acids (EAAs) in sufficient quantities. Whey naturally contains more leucine per gram of protein than other forms of proteins, which is a key EAA in stimulating muscle protein synthesis.

Due to its essential amino acid content, especially leucine, whey has been shown to be more effective at stimulating muscle protein synthesis (fractional synthetic rate – FSR) than other proteins, like soy protein. A study by Hector et al in 2015 demonstrates that whey was more effective than soy or carbohydrate at stimulating muscle protein synthesis in overweight and obese adults, and this increase is preserved even during a 14 day energy-restricted diet.*

Less is more — whey protein isolate (WPI) is more concentrated in protein compared to other sources, making it a very calorie-efficient way of supplementing protein.

Protein Food	Calories/ 20 g of Protein		
ISOPURE® WPI Powder (Unflavored)	80		
OPTIMUM NUTRITION® Casein Powder (Vanilla)	100		
Chicken breast, meat only	106		
PREMIER PROTEIN® (Vanilla)	107		
Lean beef tenderloin	121		
Fat-free cow's milk	198		
Unsweetened soy milk	214		
Salmon	215		
Whole large egg	246		
Canned chickpeas	377		
BOOST® (Vanilla)	480		
ENSURE® Original (Vanilla)	488		
Cooked quiona	545		

Whey Protein Isolate is ultra-filtered to remove excess fat, carbohydrates, and sugar

	Calories	Protein	Fat	Sugar (lactose)
20g whey protein isolate	90	20g	0g	0g
1 baked chicken breast	70	15g	1g	0g
1 large boiled egg	80	6g	5g	1g
1 oz unsalted almonds	170	6g	15g	1g
1 cup plain Greek yogurt	130	23g	1g	7g
1 cup skim milk	80	8g	0g	12g

The high protein concentration of whey protein isolate is also helpful for people who struggle to eat enough, such as those with limited appetites.

Amount of food required to provide 20 grams of protein.

Steak 70g

Soy 90g

Pea 240g

Chickpea 260g

Brown Rice



^{*}Hector et al, Whey Protein Supplementation Preserves Postprandial Myofibrillar Protein Synthesis during Short-Term Energy Restriction in Overweight and Obese Adults, The Journal of Nutrition, Volume 145, Issue 2, 2015, Pages 246-252, ISSN 0022-3166, available at https://www.sciencedirect.com/science/article/pii/S0022316622086163

