



ProTake™

**ENHANCE PROTEIN
CONTENT &
REFORMULATE
PRODUCTS**

Rousselot® ProTake™ is a protein designed to add value to food products in a cost effective way. It helps product developers meet their protein enrichment and reformulation goals, which are some of today's biggest food challenges.

Whether you want to achieve a perfect texture, add functionality or develop healthier products, at Rousselot, we are committed to help you. Our application laboratories can assist you to improve and facilitate the use of Rousselot products and ProTake in every applications you aim to produce.

A world of health benefits

Rousselot
Health & Nutrition

DARLING
INGREDIENTS



THE PROTEIN CHALLENGE

Today's consumers see protein-enriched products as an essential part of an active lifestyle and diet. In response to this rapidly growing trend, food manufacturers are looking for ingredients which can help them to easily reach high protein levels in their products. ProTake hydrolyzed collagen is a pure protein and an ideal solution. It also helps you to overcome the technical challenges of formulating with proteins.

Key benefits

A great protein source

ProTake contains a minimum of 90% protein. It can be mixed with other proteins in order to create a product with a high protein content. Depending on the protein content of your final product, you can use ProTake to design either 'source of protein', 'High in protein' or 'Protein enriched' labelled product.

Nutritional facts

ProTake contains no fats or carbohydrates. It contains 18 out of 20 standard amino acids and 8 of the 9 essential amino acids essentials for the human body.

Easy to integrate

When used as a bulking agent, it can help you to easily achieve high protein levels in a variety of foods.

ProTake has neutral organoleptic characteristics and as a hydrolyzed collagen it is easy to digest.

All these properties make ProTake easy to integrate in many applications, such as powder blends, nutritional bars, meat replacements, soups, ready-to-eat products and many others.

Designing protein enriched products with ProTake

ProTake can be used in different kinds of applications to increase their protein content. It is particularly suitable for bars and protein-enriched food. Visit our website protake.com, to get inspired by our recipes.

ProTake in bars

As a source of protein, ProTake is the perfect ingredient for binding the different dry components and achieving a perfect, soft texture with a great mouthfeel. It can also help reduce the carbohydrate content of your product.

Clean label

ProTake is a clean label food ingredient (no E-number) and is not subject to specific authorization or safety evaluation regulations.

Allergen-free

On top of this, ProTake is GMO- and allergen-free (EU Regulation 1169/2011).

THE REFORMULATION CHALLENGE

The majority of consumers today are actively making healthier eating choices wherever possible. However, making products healthier by reducing fat and sugar contents is not as simple as it sounds. There are many technical challenges in doing this, as fat and sugar often provide important functional properties, such as bulking, mouthfeel and flavor. This means it is critical to work with alternatives that provide some, or all, of the key functional properties.



Key benefits

Powerful functionalities

ProTake has dust-free powder behavior. This makes it easy to use in a wide range of applications, in which it can deliver its binding, emulsifying, stabilizing and fining properties.

Lower fat content and calorie management

Removing fat from a formulation may negatively impact a product's taste and texture. ProTake confers the same texture and mouthfeel as full-fat products, while it contains fewer calories (4kcal/g) than fat (9kcal/g).

Lower sugar content

ProTake can also significantly decrease sugar levels without compromising the texture of a product. At the same time, it serves as a bulking agent due to its water retention properties. This is a crucial benefit, as many consumers see sugar reduction as a vital step towards healthier eating habits.

Satiety effect

A pure protein, ProTake promotes satiety and can help in weight management programs.

ProTake hydrolyzed collagen is available in porcine and bovine grades. ProTake complies with most international edible regulations, including the European Regulations (EC) N° 853/2004 and 2073/2005. Please ask your sales representative if ProTake is available for sales in your country.

Designing healthier products with ProTake

Rousselot Application Laboratories have developed several recipes using ProTake. Our experts can help you in your reformulation projects.

Fruit Pulp Gummies (Fruity Delight)

- With Rousselot® 100-150PS & ProTake
- 12% less sugar than in traditional gummies
- Increased protein content

Fruit pulp has been used as the sole source of flavor and color. Key to this development is the use of both Rousselot gelatin and ProTake to obtain typical texture. Developed with blueberry, cherry and mango, Fruity Delight contains 5% ProTake. 306 Kcal/100g.

Low Fat Panna Cotta

- With Rousselot® 200 PS & ProTake
- Low fat & High protein

Developed with Rousselot® 200 PS & ProTake. The hydrolyzed collagen acts as a stabilizer and provides the Panna Cotta with a smooth texture. ProTake is added to mimic fat. 127 Kcal/100g.



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Rousselot Health & Nutrition

As Rousselot's strategic segment dedicated to health and nutrition, we are committed to develop innovative ingredients answering today's demand for solutions offering proven efficacy, full safety and premium quality. Our customers can rely on best in class products, backed by trusted science as well as on our expert support in formulation, product development and regulatory advice. Our range of products includes Peptan®, the leading collagen peptide brand worldwide, Peptan® IIm and ProTake®, and they offer a "A world of health benefits" for a healthier tomorrow.

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