

# HTP<sup>®</sup> HYDROLYSED TOP PROTEIN

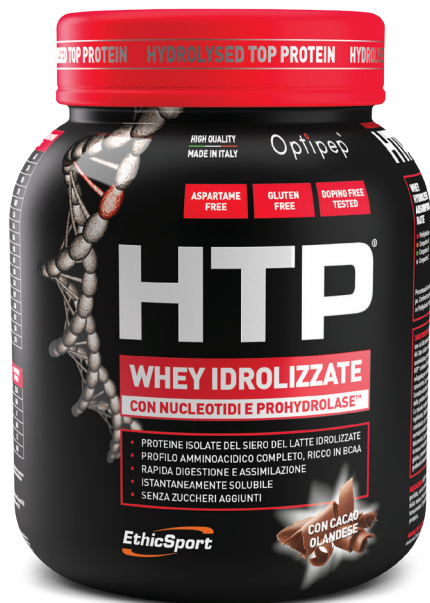
## HYDROLYSED WHEY PROTEIN FOOD SUPPLEMENT

### WITH PROHYDROLASE AND NUCLEOTIDES

**Optipep<sup>®</sup>**  
Hydrolysed whey protein at its best



FOR INTENSE MUSCULAR EXERTION



**PACKAGE:** 750 g JAR WITH MEASURING SCOOP  
1950 g JAR WITH MEASURING SCOOP  
BOX 12 SACHETS, 30 g/EACH

- HYDROLYSED WHEY PROTEIN ISOLATE - OPTIPEP<sup>®</sup>
- WITH PROHYDROLASE<sup>™</sup>, AN ENZYME BLEND PROMOTING PROTEIN DIGESTION
- WITH NUCLEOTIDES FROM RNA, TO IMPROVE THE NUTRITIONAL STRUCTURE OF THE BLEND
- COMPLETE AMINO ACID PROFILE, HIGH IN BCAA
- EXTREMELY RAPIDLY DIGESTED AND ABSORBED
- IMMEDIATELY SOLUBLE
- NO ADDED SUGARS

Disponibile nei gusti:  
cocoa vanilla Cookies

## FEATURES

HTP<sup>®</sup> Hydrolysed Top Protein is a high protein food supplement made exclusively from isolated and hydrolysed whey protein. HTP<sup>®</sup> is extremely digestible and rapidly absorbed thanks to the high concentration of hydrolysed polypeptides. HTP<sup>®</sup> contains ProHydrolase<sup>™</sup>, an exclusive blend of proteolytic enzymes, developed to support concentrated protein blend digestion and assimilation. The highly pure nucleotides contribute to improve this protein blend nutritional structure. The special hydrolysis technology of whey protein isolate is guaranteed by the Optipep<sup>®</sup> trademark. This blend also contains a high concentration of polypeptides, lactoglobulins, lactoferrin and BCAA. Vitamin B6 contributes to normal protein and glycogen metabolism, normal energy-yielding metabolism and to the reduction of tiredness and fatigue. Proteins contribute to the growth and maintenance of muscle mass and to the maintenance of normal bones. This product is gluten-free, therefore is suitable for people with coeliac disease. HTP<sup>®</sup> has a natural, pleasant taste thanks to the careful balance of its ingredients.

## INDICATIONS

HTP<sup>®</sup> Hydrolysed Top Protein is an extremely digestible product, with a high protein content for the growth and maintenance of muscle mass, useful for the diet of athletes who do intense exercise. This product is suitable in case of increased protein requirements.

## HOW TO USE AND RECOMMENDED DAILY DOSE

Take 30 g product per day (3 measuring scoops) between meals, dissolved in about 250 ml of water or milk. This product can be consumed even after intense exercise, thanks to its exceptional digestibility.

## INGREDIENTS CACAO

**Whey** protein (isolated and hydrolyzed Optipep<sup>®</sup>) [contains emulsifier: **soy** lecithin], Low-fat cocoa powder 5%, Flavors, Thickener: xanthan gum; Sweetener: sucralose; Nucleotides, ProHydrolase<sup>™</sup> (protease from fermented plant-based substrate and bromelain from Ananas comosus (L.) Merr., strains) standardized min. 3500 HUT/10 mg (contains **milk** and **soy** derivatives), Pyridoxine hydrochloride (vitamin B6).

## INGREDIENTS VANILLA

**Whey** protein (isolated and hydrolyzed Optipep<sup>®</sup>) [contains emulsifier: **soy** lecithin], Flavors, Thickener: xanthan gum; Sweetener: sucralose, Nucleotides, ProHydrolase<sup>™</sup> (protease from fermented plant-based substrate and bromelain from Ananas comosus (L.) Merr., strains) standardized min. 3500 HUT/10 mg (contains **milk** and **soy** derivatives), Vitamin B6 (pyridoxine hydrochloride).

## RECOMMENDED FOR

- Athletes who need protein nutrients for improved recovery
- To promptly provide polypeptides, useful to support muscles after intense activities
- To enhance and support muscle mass
- Professional athletes or people who do intense exercise

## WHEN TO USE HTP<sup>®</sup>



Warnings: Food supplements are not intended as substitutes of a varied, balanced diet and a healthy lifestyle. Do not exceed the recommended daily dosage. Do not use in pregnancy, in children or for long periods without your doctor's advice. Keep out of reach of children under the age of 3. This product has no added sugars it has naturally occurring sugars. Store in a cool, dry place. The best before end date applies to the product in its intact container when stored as directed. This product is tested free from nandrolone and testosterone, with their precursors, free from amphetamines and ephedrine.

## NUTRITIONAL INFORMATION (VANILLA FLAVOUR)

	Per 100 g	Per serving (30 g)
<b>Energy</b>		
kJ	1608	482
Kcal	379	114
<b>Typical Values</b>		
Fat	1.2 g	0.36 g
of which saturates	0.92 g	0.27 g
Carbohydrate	1.35 g	0.41 g
of which sugars	1.35 g	0.41 g
Fiber	0 g	0 g
Protein	90.6 g	27.18 g
Salt (Nax2.5)	0.39 g	0.12 g
Vitamin B6	1.4 mg (100% NRV)	0.42 mg (30 %NRV)
Nucleotides	100 mg	30 mg
ProHydrolase <sup>™</sup> (proteases from fermented maltodextrins)	50 mg	15 mg
Enzyme activity	17500 HUT	5250 HUT

## INGREDIENTS COOKIES

**Whey** protein (isolated and hydrolyzed Optipep<sup>®</sup>) [contains emulsifier: **soy** lecithin], Flavors, Cereal blend (oat bran\*, quinoa, amaranth, buckwheat, millet), Low-fat cocoa powder, Thickener: xanthan gum; Sweetener: sucralose; Nucleotides, ProHydrolase<sup>™</sup> (protease from fermented plant-based substrate and bromelain from Ananas comosus (L.) Merr., strains) standardized min. 3500 HUT/10 mg (contains **milk** and **soy** derivatives), Acid regulator: citric acid; Vitamin B6 (pyridoxine hydrochloride).

\*Gluten-free oats.

NRV: nutrient reference values [Reg. (EU) No. 1169/2011]

# ETHICSPORT R&D HAS DEVELOPED HTP<sup>®</sup> : THE MOST ADVANCED PROTEIN BLEND NOW AVAILABLE FOR ATHLETES

## Optipep<sup>®</sup>

Optipep<sup>®</sup> is registered trademark of Carbery, which stands for top quality whey protein hydrolysate (WPH). Whey protein hydrolysates are able to improve absorption kinetics, thus allowing for easier protein digestion, as well as for faster BCAA and EAA absorption. The large amount of polypeptides and oligopeptides make this blend suitable for faster replenishment of muscle glycogen stores and more effective muscle resynthesis.

## ProHydrolase<sup>®</sup>

ProHydrolase<sup>™</sup> is an unique proteolytic enzyme blend, developed to support the digestion and absorption of concentrated protein blends. This special proteolytic blend has been studied to overcome bioavailability issues of whey protein digestion and assimilation. ProHydrolase<sup>™</sup> maximizes performance advantages of protein powders and help the body metabolize proteins more effectively.

## NUCLEOTIDES from RNA

Nucleotides are the components of nucleic acids (DNA and RNA), macromolecules able to store biological information. Nucleotides are intracellular compounds of paramount importance for cell functioning and metabolism. These molecules have an important function, as they are able to provide energy to promote energy unfavourable chemical reactions, which normally would be too slow or not be possible. Several clinical studies showed the effectiveness and importance of nucleotide supplementation for various biological and nutritional aspects, also in the field of sport.

Amino acid content (in g)  
per 100 g powder HTP

Alanine	4.56
Arginine	1.89
Aspartic acid	9.71
Cysteine*	2.06
Glutamic acid	16.14
Glycine	1.35
Histidine*	1.48
Isoleucine*	5.97
Leucine*	9.26
Lysine*	8.62
Methionine*	1.91
Phenylalanine*	2.65
Proline	5.16
Serine	4.35
Threonine*	6.22
Tryptophan*	1.33
Tyrosine*	2.41
Valine*	5.53

\*Essential amino acids (cysteine and tyrosine are semi-essential amino acids)

Protein Fraction	% Protein
Beta-lactoglobulin	23.42
Alpha-lactalbumin	6.24
Glycomacropeptide	8.38
Serum albumin	0.65
Immunoglobulin	1.26
Lactoferrin	0.05

Protein Quality Index	valore
PDCAAS	1
Biological Value	104
BCAA	23%
EAA	52%

