

Datasheet for ABIN7274824

Hepsin Protein (HPN) (AA 45-417) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Hepsin (HPN)
Protein Characteristics:	AA 45-417
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Hepsin protein is labelled with His tag.

Product Details

Purpose:	Human HPN Protein
Sequence:	Arg45-Leu417
Characteristics:	Recombinant Human HPN Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Arg45-Leu417.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human HPN, His Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Anti-HPN Antibody, hFc Tag with the EC50 of 22.8ng/ml determined by ELISA. See testing image for detail.

Target Details

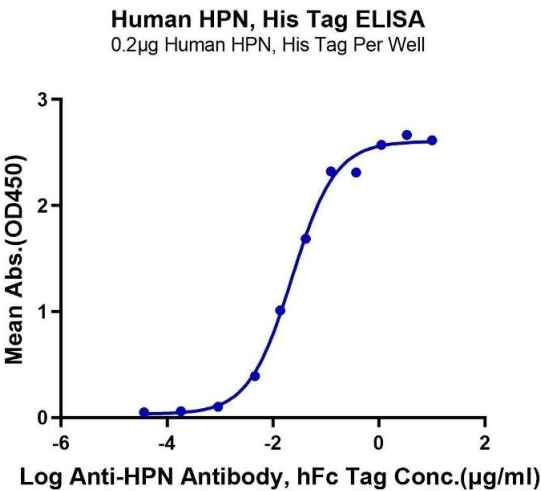
Target:	Hepsin (HPN)
Alternative Name:	HPN (HPN Products)
Background:	Home parenteral nutrition (HPN) has been proposed as the treatment of choice in patients suffering from intestinal failure (IF) and has been claimed to improve survival and quality of life either in patients with benign disorders or even in those with malignancies. HPN seems to have beneficial effect but it should be considered with caution by the physicians who should take into account the indications of each patient to receive parenteral nutrition, the underlying disease and prognosis and the access of each patient to home care services.
Molecular Weight:	42 kDa. Due to the protein cleaved into the following two chains, so it migrates to 18-22 kDa and 30 kDa based on Tris-Bis PAGE result.
UniProt:	P05981
Pathways:	Regulation of Hormone Metabolic Process , Sensory Perception of Sound

Application Details

Restrictions:	For Research Use only
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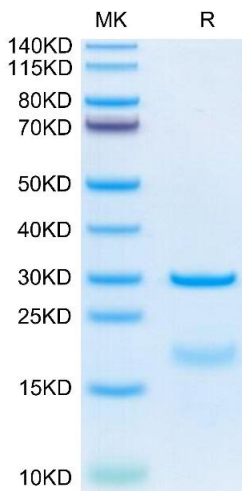
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in 20 mM NaAc, 150 mM NaCl (pH 5.0).
Buffer:	Lyophilized from 0.22µm filtered solution in 20 mM NaAc, 150 mM NaCl (pH 5.0). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C, -80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., -2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



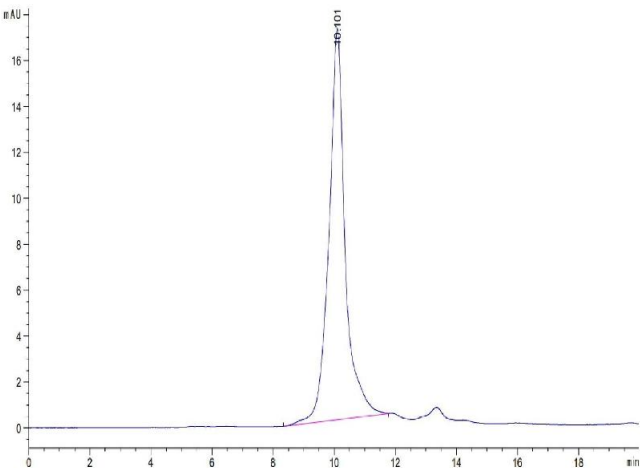
ELISA

Image 1. Immobilized Human HPN, His Tag at 2 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-HPN Antibody, hFc Tag with the EC50 of 22.8 ng/mL determined by ELISA.



SDS-PAGE

Image 2. Human HPN on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human HPN is greater than 95 % as determined by SEC-HPLC.