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# Hepsin Protein (HPN) (AA 60-436) (His tag)

**Images** 



#### Overview

Quantity:	100 μg
Target:	Hepsin (HPN)
Protein Characteristics:	AA 60-436
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Hepsin protein is labelled with His tag.

#### **Product Details**

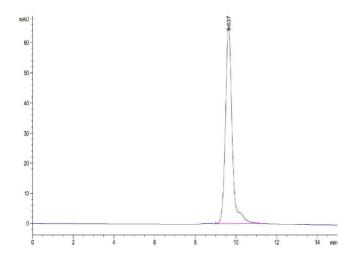
Purpose:	Mouse HPN Protein
Sequence:	Thr60-Pro436
Characteristics:	Recombinant Mouse HPN Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Thr60-Pro436.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 μm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

## **Target Details**

Target:	Hepsin (HPN)
Alternative Name:	HPN (HPN Products)

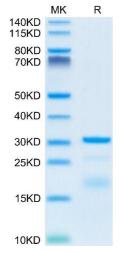
## **Target Details**

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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:	42.2 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.
Pathways:	Regulation of Hormone Metabolic Process, Sensory Perception of Sound
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu$ g/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



# Size-exclusion chromatography-High Pressure Liquid Chromatography

 $\label{eq:mage 1.} \textbf{Image 1.} \ \textbf{The purity of Mouse HPN is greater than 95 \% as} \\ \ \text{determined by SEC-HPLC.}$ 



#### **SDS-PAGE**

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