Mouse HPN Protein

Cat. No. HPN-MM101

Description

Source	Recombinant Mouse HPN Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Thr60-Pro436.
Accession	O35453-1
Molecular Weight	The protein has a predicted MW of 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.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

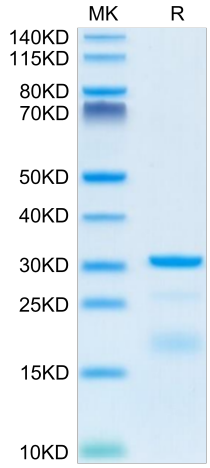
Formulation	Lyophilized from 0.22μm filtered solution in 20mM NaAc,150mM NaCl (pH 5.0). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in 20mM NaAc,150mM NaCl (pH 5.0).
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-20 to -80°C for 3-6 months in unopened state 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.

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.

Assay Data

Tris-Bis PAGE



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

SEC-HPLC

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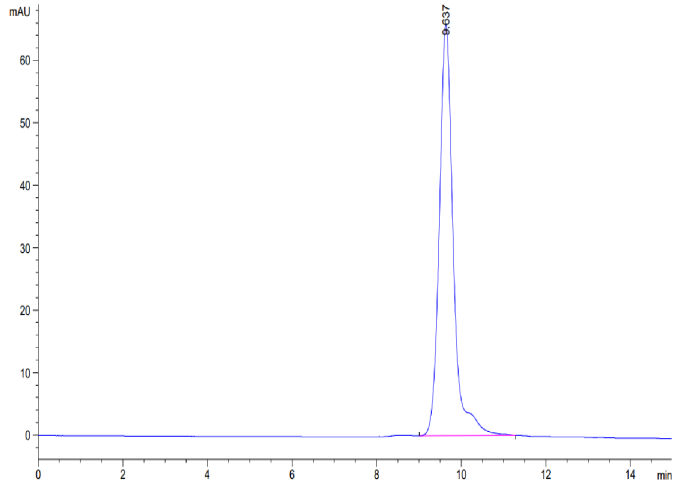

The purity of Mouse HPN is greater than 95% as determined by SEC-HPLC.