

## Mouse PTN Protein

Cat. No. PTN-MM201



### Description

Source	Recombinant Mouse PTN Protein is expressed from HEK293 with hFc tag at the N-Terminus.
	It contains Gly33-Asp168.
Accession	P63089
Molecular Weight	The protein has a predicted MW of 42.6 kDa. Due to glycosylation, the protein migrates to 49-52 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

### Formulation and Storage

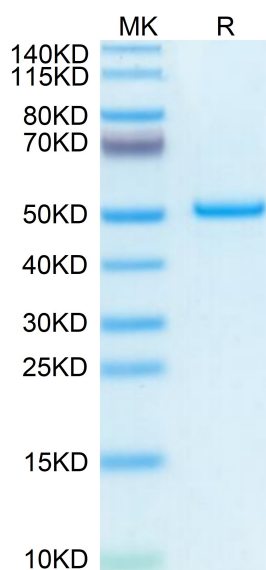
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

### Background

Pleiotrophin (PTN) is a secreted cell cytokine associated with the extracellular matrix and acts as a growth factor. PTN is mainly expressed in neuroectodermal and mesodermal tissues, indicating its effect in neuron migration and epithelium-mesenchyme interactions. Whereas PTN is associated with some neurodegenerative diseases and has modulating effects on them.

### Assay Data

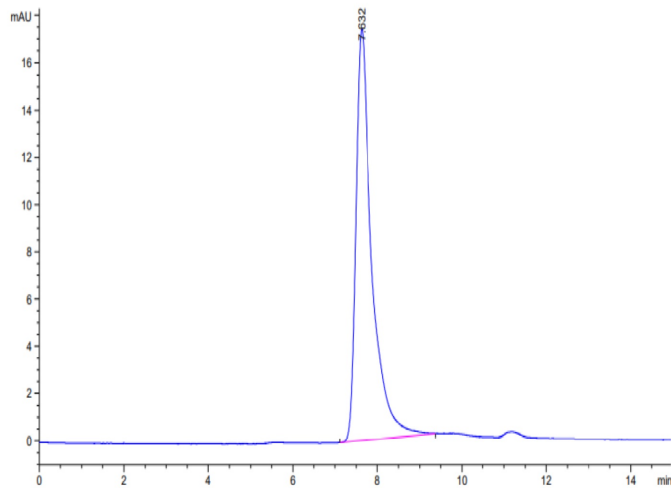
#### Bis-Tris PAGE



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

#### SEC-HPLC

Assay Data



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