

Recombinant Mouse PTN protein(Met1-Asp168)

Cat. No. PTN-1034M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse PTN (P63089) (Met1-Asp168) was expressed in Insect Cells.
Species	Mouse
Source	Insect Cells
ProteinLength	Met1-Asp168
Form	Lyophilized from sterile 20 mM Tris, 1M NaCl, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized mouse PTN at 10 µg/ml (100 µl/well) can bind rat SDC1-Fc, The EC50 of rat SDC1-Fc is 0.4-1.1 µg/ml.
Molecular Mass	The recombinant mouse PTN consists of 136 amino acids and predicts a molecular mass of 15.3 KDa. It migrates as an approximately 20 KDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name Ptn pleiotrophin [*Mus musculus*]

Official Symbol PTN

Synonyms PTN; pleiotrophin; HBBM; osteoblastic cell factor; osteoblast-specific factor 1; heparin-binding brain mitogen; heparin-binding growth factor 8; heparin affinity regulatory peptide; heparin-binding neutrophilic factor; heparin-binding neurotrophic factor; heparin-binding neurite promoting factor; heparin-binding growth-associated molecule; OSF; HARP; HBBN; HBNF; Osf1; Osf-1; HB-GAM; HBGF-8;

Gene ID 19242

mRNA Refseq NM_008973

Protein Refseq NP_032999

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