

Recombinant Rat Ptn Protein, His-tagged

Cat. No. Ptn-2001R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Ptn Protein (Gly33-Asp168) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Gly33-Asp168
Description	Enables several functions, including glycosaminoglycan binding activity; growth factor activity; and syndecan binding activity. Involved in several processes, including animal organ development; nervous system development; and regulation of epithelial cell proliferation. Located in several cellular components, including basement membrane; neuromuscular junction; and perinuclear region of cytoplasm. Is active in postsynapse and presynapse. Used to study Parkinson's disease. Biomarker of several diseases, including extrahepatic cholestasis; liver cirrhosis; sciatic neuropathy; transient cerebral ischemia; and visual epilepsy. Human ortholog(s) of this gene implicated in adrenal carcinoma. Orthologous to human PTN (pleiotrophin).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 16.8 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in ddH ₂ O to a concentration of 0.1-0.25 mg/mL. Do not vortex.

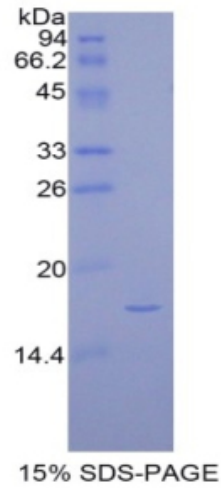
GENE INFORMATION

Gene Name	Ptn pleiotrophin [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Ptn
Synonyms	PTN; pleiotrophin; HBBM; OSF-1; HB-GAM; HBGF-8; heparin binding factor; osteoblast-specific factor 1; heparin-binding brain mitogen; heparin-binding growth factor 8; heparin-binding neutrophilic factor; heparin-binding growth-associated molecule; Pleiotrophin (Heparine binding factor, Hbnf, in the mouse); Hbnf;
Gene ID	24924
mRNA Refseq	NM_017066
Protein Refseq	NP_058762
UniProt ID	P63090

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