

Active Recombinant Human PTN protein

Cat. No. PTN-30874TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTN protein(P21246)(33-168 aa) was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	33-168 aa
Form	Lyophilized from a 0.2 µm filtered solution in 1 × PBS, pH7.0, 0.02% Tween-20.
Bio-activity	Fully biologically active when compared to standard. The biological activity was measured by its ability to enhance neurite outgrowth of E16-E18 rat embryonic cortical neurons, when neurons were plated on 96 well culture plates that had been pre-coated with 100 µl/well of a solution of 5-10 µg/ml rHuPTN.
Molecular Mass	Approximately 15.3 kDa, a single non-glycosylated polypeptide chain containing 136 amino acids.
AASequence	GKKEKPEKKV KKSDCGEWQW SVCVPTSGDC GLGTREGTRT GAECKQTMKT QRCKIPCNWK KQFGAECKYQ FQAWGECDLN TALKTRTGSL KRALHNAECQ KTVTISKPCG KLTKPKPQAE SKKKKKEGKK QEKMLD
Endotoxin	Less than 0.1 EU/µg of rHuPTN as determined by LAL method.
Purity	≥ 95% by SDS-PAGE analysis.

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Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name PTN pleiotrophin [[Homo sapiens](#)]

Official Symbol [PTN](#)

Synonyms PTN; pleiotrophin; NEGF1, neurite growth promoting factor 1; HBGF8; HBNF; heparin binding growth factor 8; HBBM; OSF-1; HB-GAM; HBGF-8; HBNF-1; osteoblast-specific factor 1; heparin-binding brain mitogen; heparin-binding growth factor 8; heparin affin regulatory protein; neurite growth-promoting factor 1; heparin-binding growth-associated molecule; heparin-binding neurite outgrowth-promoting factor 1; pleiotrophin (heparin binding growth factor 8, neurite growth-promoting factor 1); HARP; NEGF1;

Gene ID [5764](#)

mRNA Refseq [NM_002825](#)

Protein Refseq [NP_002816](#)

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MIM	162095
UniProt ID	P21246
SDS-PAGE	

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