

Recombinant Human PTN Protein (Gly33-Asp168), C-His tagged, Animal-free, Carrier-free

Cat. No. PTN-261H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTN Protein (Gly33-Asp168) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Gly33-Asp168
Description	Pleiotrophin (PTN) also known as HB-GAM, which is a Growth Factors involves in widely range of biological events such as bone development, neural regeneration, inflammatory response, tissue repair. PTN is 18.9 kDa protein containing 168 residues that expressed in Osteoblast and brain. Besides, PTN has been revealed to suppress the long-term potentiation (LTP) in hippocampus and plays a critical role in modulating learning-related behavior. On the other hand, PTN also acts as an angiogenic factor that promotes tumor progression by PTN/Anaplastic Lymphoma Kinase (ALK) axis.
Form	Lyophilized
Molecular Mass	The protein has a calculated MW of 19.89 kDa. The protein migrates as 18 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.

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Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	PTN pleiotrophin [<i>Homo sapiens</i> (human)]
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

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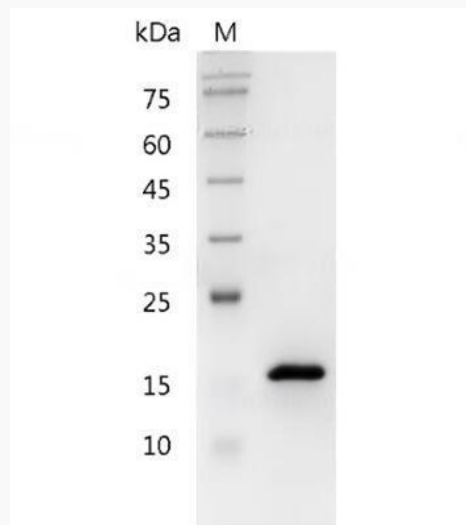
mRNA Refseq [NM_002825](#)

Protein Refseq [NP_002816](#)

MIM [162095](#)

UniProt ID [P21246](#)

**SDS-PAGE analysis
of recombinant
human Pleiotrophin.**



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