

Recombinant Human Pleiotrophin

Cat. No. PNT-1906H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant humanfull length PNT is expressed in E. coli.
Species	Human
Source	E.coli
Description	PNT and Midkine arestructurally related heparin-binding neurotrophic factors, whose expressionis developmentally regulated. The expression pattern of these neurotrophicfactors suggests function in neurogenesis, cell migration, secondary organogeneticinduction, and mesoderm epithelial interaction. The expression of PTN increasesduring the process of brain embryogenesis and reaches maximum levels at timeof birth.
Form	Sterile filteredthrough a 0.2 micron filter. Lyophilized from 0.4x PBS, pH 7.2.
Endotoxin Level	Less than 0.1 ng perµg (1 EU/µg).
Purity	Greater than 98% bySDS-PAGE gel and HPLC analyses.
Biological Activity	Data not availableat this time.
Reconstitution	Centrifugevial prior to opening. Reconstitute in water to a concentrationof 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffersand stored at 4°C for 1 week or -20°C for future use.

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Storage	Thelyophilized protein is stable for a few weeks at room temperature, but best stored at -20°C. Reconstituted Pleiotrophin should be stored in working aliquots at -20°C. Avoid repeated freeze-thaw cycles.
Official Symbol	PTN
Full Length	Full L.
GENE INFORMATION	
Gene Name	PTN pleiotrophin [Homosapiens]
Synonyms	PTN; pleiotrophin; HARP; HBNF; HBGF8; NEGF1; PTN; Heparin-binding growth-associated molecule; HB-GAM; Heparin-binding growth factor 8; Osteoblast-specific factor 1; OSF-1; Heparin-binding neurite outgrowth-promoting factor 1; HBNF-1; Heparin-binding brain mitogen; HBBM; HBGF-8; HBNF1; heparin affin regulatory protein; heparin binding growth factor8; neurite growth-promoting factor 1
Gene ID	5764
mRNA Refseq	NM_002825
Protein Refseq	NP_002816
MIM	162095
UniProt ID	P21246
Chromosome Location	7q33-q34

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Pathway	Syndecan-3-mediated signaling events
Function	growth factor activity; heparinbinding; phosphoprotein phosphatase inhibitor activity

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