



Recombinant Human Pleiotrophin

20190206BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	100-094
Size:	20 µg
Lot. No.:	According to product label

Scientific Background

Gene-ID (NCBI):	5764
Synonyms:	PTN; HARP; HBNF; HBGF8; NEGF1

Human Pleiotrophin (PTN) also called HARP (Heparin affinity-regulatory peptide) is a new member of the heparin-binding neurotrophic factor family. PTN and Midkine are structural homologs, and are highly conserved among species. PTN plays an important role in development processes and promotion of neurite extension. Recombinant Pleiotrophin is a 15.4 kDa protein consisting of 136 amino acid residues.

Sequence

GKKEKPEKKV KKSDCGEWQW SVCVPTSGDC GLGTREGTRT
GAECKQTMKT QRCKIPC�WK KQFGAECYQ FQAWGECDLN
TALKTRTGSL KRALHNAECQ KTVTISKPCG KLTKPKPQAE
SKKKKKEGKK QEKMLD

Database References

Protein RefSeq:	NP_002816.1
Uniprot ID:	P21246
mRNA RefSeq:	NM_002825

Product Specifications

Expressed in	E. coli
Purity	> 98% by SDS-PAGE & HPLC analyses
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	136
MW:	15.4 kDa

Stability: The lyophilized protein is stable at room temperature for 1 month and at 4°C for 6 months. Reconstituted working aliquots are stable for 1 week at 2°C to 8°C and for 3 months at -20°C to -80°C.

Reconstitution: Reconstitute in water to a concentration of 0.1-1.0 mg/ml. *Do not vortex.* This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.



AVOID REPEATED FREEZE AND THAW CYCLES!

Biological Activity: Data not available.