10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Pleiotrophin (PTN), human recombinant protein

PTN, Heparin Affin Regulatory Protein, HARP, Heparin-binding growth factor-8, HBGF-8, Osteoblast-Spe

Catalog # PBV10273r

Specification

Pleiotrophin (PTN), human recombinant protein - Product info

Primary Accession	P21246
Calculated MW	**20.6 kDa KDa**

Pleiotrophin (PTN), human recombinant protein - Additional Info

Gene ID	**5764**
Gene Symbol	**PTN**

Other Names
PTN, Heparin Affin Regulatory Protein, HARP, Heparin-binding growth factor-8, HBGF-8, Osteoblast-Specific Factor-1, OSF-1, Heparin-binding growth-associated molecule, HB-GAM, HBNF-1 Heparin-binding brain mitogen, Heparin-binding neurite outgrowth-promoting factor 1, HBBM, NEGF1.

Gene Source	**Human**
Source	**E. coli**
Assay&Purity	**SDS-PAGE; ≥98%**
Assay2&Purity2	**HPLC; ≥98%**
Recombinant	**Yes**

Target/Specificity
Pleiotrophin

Application Notes
Reconstitute in H_2O to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or –20°C for future use.

Format
Lyophilized protein

Storage
-20°C; Lyophilized from 0.4X PBS, pH 7.2

Pleiotrophin (PTN), human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation

- Flow Cytomety
- Cell Culture

Pleiotrophin (PTN), human recombinant protein - Images

Pleiotrophin (PTN), human recombinant protein - Background

Human Pleiotrophin (PTN) also called HARP (Heparin affin regulatory peptide) is a new member of the heparin-binding neurotrophic factor family. PTN (Pleiotrophin) and MK (midkine) are structural homologs, and are highly conserved among species. PTN plays an important role in development processes and promotion of neurite extension. Recombinant human PTN is a His-tag fusion protein (17.3 kDa) containing 136 amino acid residues of the PTN.

Pleiotrophin (PTN), human recombinant protein - References

Tezuka K.I.,et al.Biochem. Biophys. Res. Commun. 173:246-251(1990).
Li Y.-S.,et al.Science 250:1690-1694(1990).
Kretschmer P.J.,et al.Growth Factors 5:99-114(1991).
Milner P.G.,et al.Biochemistry 31:12023-12028(1992).
Kretschmer P.J.,et al.Biochem. Biophys. Res. Commun. 192:420-429(1993).