

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, NRG1.

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

Application Notes

Reconstitute in H₂O 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 Cytometry](#)
- [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

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Li Y.-S.,et al.Science 250:1690-1694(1990).
Kretschmer P.J.,et al.Growth Factors 5:99-114(1991).
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