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# **DATASHEET**

Recombinant human Pleiotrophin (His Tag) protein

#### **Product overview**

Name Recombinant human Pleiotrophin (His Tag) protein

Cat No HB7947 Species of origin human

Alternative names Recombinant Human Pleiotrophin, His Tag, 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.

Purity >95%

**Description** His Tag recombinant human pleiotrophin

## **Solubility & Handling**

Solubility overview

Handling

Add 0.2 ml of PBS pH 7.2 and allow the lyophilized material to dissolve

- Solutions should be made in sterile deionized water (not less than 100 µg/ml). This solution can then be further diluted with other aqueous solutions.
- Following reconstitution, solutions may be stored at 4°C and are useable for around 2-7 days and for future use store at -18°C.
- Freeze-thaw cycles should be prevented.

**Shipping Conditions** 

**Important** 

Stable for ambient temperature shipping. Follow storage instructions on receipt.

This product is for RESEARCH USE ONLY and is not intended for the rapeutic or diagnostic use. Not

for human or veterinary use.

#### **Chemical Data**

UniProt ID P21246 Source E. Coli.

Appearance White lyophilized powder (filtered & freeze-dried)

Formulation Filtered and lyophilized from a solution (0.5 mg/ml) containing phosphate buffer (100mM, pH 7.2) and

NaCl (100mM)

### References

Pleiotrophin: a cytokine with diverse functions and a novel signaling pathway

Deuel TF *et al* (2002) Arch Biochem Biophys 397(2) **PubMedID** 11795867

Pleiotrophin and its receptor protein tyrosine phosphatase beta/zeta as regulators of angiogenesis and cancer

Papadimitriou E et al (2016) Biochim Biophys Acta 1866(2)

PubMedID 27693125

Pleiotrophin, a multifunctional angiogenic factor: mechanisms and pathways in normal and pathological angiogenesis

Perez-Pinera P et al (2008) Curr Opin Hematol 15(3)

PubMedID 18391787

