

**Recombinant Human Pleiotrophin**  
**Catalog # PBG10365****Specification**

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**Recombinant Human Pleiotrophin - Product Information****Recombinant Human Pleiotrophin - Additional Information****Description**

Pleiotrophin and Midkine are structurally related heparin-binding neurotrophic factors, whose expression is developmentally regulated. The expression pattern of these neurotrophic factors suggests function in neurogenesis, cell migration, secondary organogenetic induction, and mesoderm epithelial interaction. The expression of PTN increases during the process of brain embryogenesis and reaches maximum levels at time of birth. The physiological roles of PTN and Midkine are largely unknown, but these neurotrophins have been implicated in the pathogenesis of neuroblastomas. Recombinant human Pleiotrophin is a 15.4 kDa protein containing 136 amino acid residues and five intra-molecular disulfide bonds.

**Biological Activity**

Data not available at this time.

**Authenticity**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

**Endotoxin**

Endotoxin level is <0.1 ng/ µg of protein (<1EU/ µg).

**Protein Content**

Verified by UV Spectroscopy and/or SDS-PAGE gel.

**Storage**

-20°C

**Precautions**

Recombinant Human Pleiotrophin is for research use only and not for use in diagnostic or therapeutic procedures.

**Recombinant Human Pleiotrophin - 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](#)

## **Recombinant Human Pleiotrophin - Images**