

## Human Pleiotrophin, His Tag, E. coli

**Catalog Number** LDG134PHE

**Package** 5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



### Specifications

#### Species of Origin

Human

#### Affinity Tag

His Tag (C-term)

#### Purity

>98% as determined by SDS-PAGE analysis.

#### Endotoxin Level

<0.1 EU per 1 µg of the protein by the LAL method.

#### Expression System

Escherichia coli

#### Storage Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

#### Molecular weight

The protein has a calculated MW of 19.89 kDa. The protein migrates as 18 kDa under reducing condition (SDS-PAGE analysis).

#### Form

Lyophilized

### Background

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### Background

Pleiotrophin (PTN) also known as HB-GAM, which is a Growth Factors involves in widely range of biological events such as bone development, neural regeneration, inflammatory response, tissue repair. PTN is 18.9 kDa protein containing 168 residues that expressed in Osteoblast and brain. Besides, PTN has been revealed to suppress the long-term potentiation (LTP) in hippocampus and plays a critical role in modulating learning-related behavior. On the other hand, PTN also acts as an angiogenic factor that promotes tumor progression by PTN/Anaplastic Lymphoma Kinase (ALK) axis.

### Uniprot ID

#P21246

### Synonyms

Pleiotrophin, Heparin-binding brain mitogen, HBBM, Heparin-binding Growth Factors 8, HBGF-8, Heparin-binding growth-associated molecule, HB-GAM, Heparin-binding neurite outgrowth-promoting factor, HBNF, Heparin-binding neurite outgrowth-promoting factor 1, HBNF-1, Osteoblast-specific factor 1, OSF-1

### Sequence Note

Gly33-Asp168

## Instruction

### Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

### Stability & Storage

This product is stable after storage at:

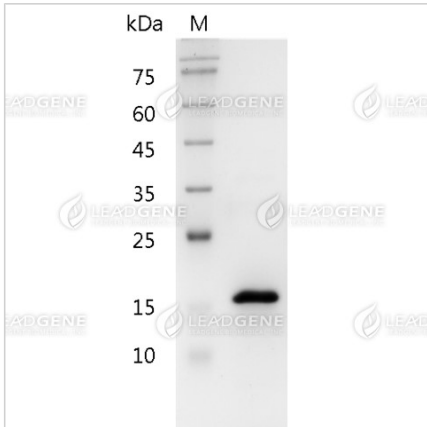
- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

### Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Image



SDS-PAGE analysis of recombinant human Pleiotrophin.

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