

# Human Pleiotrophin / PTN / HB-GAM recombinant protein



Catalog Number: 501387

## General Information

### Protein Construction

A DNA sequence encoding the mature form of human PTN (NP\_002816.1) (Met1-Asp168) was expressed.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.

Immobilized human PTN (Cat:501387) at 10 µg/ml (100 µl/well) can bind rat SDC1-Fc (Cat:502988), The EC<sub>50</sub> of rat SDC1-Fc (Cat:502988) is 0.35-0.81 µg/ml.

### Purity

> 90 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Met

### Molecular Mass

The recombinant human PTN consists of 136 amino acids and predicts a molecular mass of 15.3 KDa. It migrates as an approximately 19 KDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 20mM Tris, 1M NaCl, pH 8.0

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

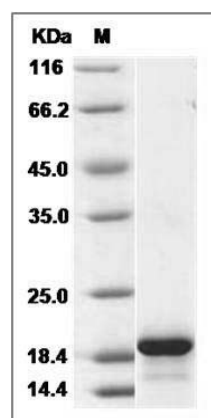
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human Pleiotrophin / PTN / HB-GAM Protein SDS-PAGE