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 μ g/ml (100 μ l/well) can bind rat SDC1-Fc (Cat:502988), The EC₅₀ of rat SDC1-Fc (Cat:502988) is 0.35-0.81 μ g/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

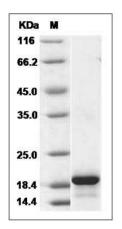
Storage

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