Mouse Pleiotrophin / PTN / HB-GAM recombinant protein

Catalog Number: 504073

General Information

Gene Name Synonym

Heparin-binding brain mitogen; Heparin-binding growth factor 8; Heparin-binding growth-associated molecule; Heparin-binding neutrophic factor; Osteoblast-specific factor 1

Protein Construction

A DNA sequence encoding the mouse PTN (P63089) (Met1-Asp168) was expressed.

Organism

Mouse

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA.
Immobilized mouse PTN at 10 μg/ml (100 μl/well) can bind rat SDC1-Fc (Cat:502988), The EC_{50} of rat SDC1-Fc (Cat:502988) is 0.4-1.1 μg/ml.

Purity

> 95 % 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℃

Predicted N terminal

Gly 33

Molecular Mass

The recombinant mouse PTN consists of 136 amino acids and predicts a molecular mass of 15.3 KDa. It migrates as an approximately 20 KDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 20 mM Tris, 1M NaCl, pH 7.4.
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

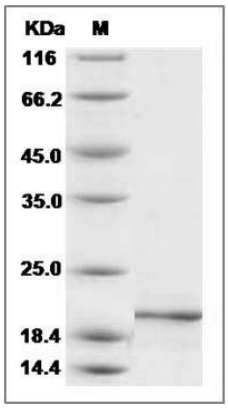
Storage

Store it under sterile conditions at -20℃ to -80℃. 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



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