Mouse PDGF-B / PDGF-2 Protein (His Tag)

Catalog Number: 50801-M07Y

General Information

Gene Name Synonym:

PDGF-B; Sis

Protein Construction:

A DNA sequence encoding the mouse PDGFB (AAH23427.1) (Ser82-Thr190) was expressed with a polyhistidine tag at the N-terminus.

Source: Mouse

Expression Host: Yeast

QC Testing

Purity: > 95 % as determined by SDS-PAGE.

Bio Activity:

Measured by its binding ability in a functional ELISA. Immobilized Human PDGFRB (Cat: 10514-HCCH) at 2 μg/ml (100 μl/well) can bind Mouse PDGF-B His(Cat:50801-M07Y), the EC_{50} of Mouse PDGF-B His is 4-24 ng/mL.

Endotoxin:

Please contact us for more information.

Predicted N terminal: His

Molecular Mass:

The recombinant mouse PDGFB consists of 124 amino acids and predicts a molecular mass of 14.2 kDa.

Formulation:

Lyophilized from sterile 0.1% TFA, 30% ACN.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Stability & Storage:
Samples are stable for twelve months from date of receipt at -20℃ to -80℃.

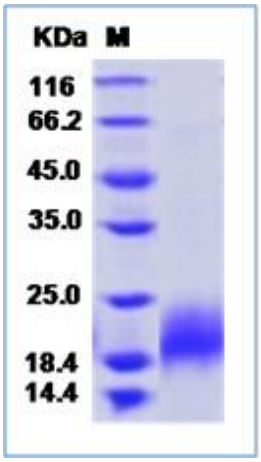
Store it under sterile conditions at -20℃ to -80℃ upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

Platelet-derived growth factor-B (PDGFB) is necessary for normal cardiovascular development. The administration of PDGFB alone normalized tumor vasculature by increasing periendothelial coverage and vascular functionality. Interestingly, this effect exerted by PDGFB was also observed in the presence of DAPT. So PDGFB is able to improve tumor vascularity and allows the anticancer action of DAPT in the tumor.