

Cynomolgus PDGF-B/PDGF-2 (Fc Tag) recombinant protein



Catalog Number: 502517

General Information

Protein Construction

A DNA sequence encoding the cynomolgus PDGFB (EHH65851.1) (Ser82-Thr190) was expressed with the Fc region of mouse IgG1 at the N-terminus.

Organism

Cynomolgus

Expression Host

Human Cells

QC Testing

Activity

1. Measured in a cell proliferation assay using Balb/c 3T3 mouse embryonic fibroblasts. The ED_{50} for this effect is typically 5-25 ng/ml.
2. Measured by its binding ability in a functional ELISA. Immobilized Cynomolgus PDGFRB-His (Cat:503982) at 10 $\mu\text{g/ml}$ (100 $\mu\text{l/well}$) can bind Cynomolgus S4-mFc3-PDGFB, The EC_{50} of Cynomolgus S4-mFc3-PDGFB is 3.6-7.4 ng/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°C

Predicted N terminal

Asp

Molecular Mass

The recombinant cynomolgus PDGFB is a disulfide-linked homodimer. The reduced monomer comprises 345 amino acids and has a calculated molecular mass of 38.9 KDa. The apparent molecular mass of it is approximately 43 and 32 KDa in SDS-PAGE.

Formulation

Lyophilized from sterile PBS, 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

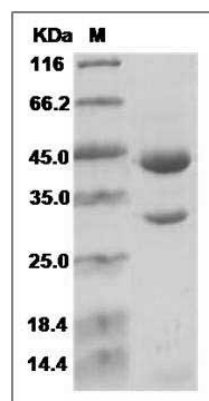
Storage

Store it under sterile conditions at -20°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



Cynomolgus PDGFB / PDGF-BB Protein (Fc Tag)
SDS-PAGE