

General Information

Gene Name Synonym

Beta platelet-derived growth factor receptor; Beta-type platelet-derived growth factor receptor; CD140 antigen-like family member B; Platelet-derived growth factor receptor 1

Protein Construction

A DNA sequence encoding the extracellular domain of human PDGFR β (NP_002600.1) (Met 1-Lys 531) was expressed with six amino acids (ENLYFQ) at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA. Immobilized human PDGFR β at 10 $\mu\text{g/ml}$ (100 $\mu\text{l/well}$) can bind Cynomolgus PDGFB (Cat:502517), The EC₅₀ of Cynomolgus PDGFB (Cat:502517) is 3-7 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

Leu 33

Molecular Mass

The recombinant human PDGFR β consists of 506 amino acids and predicts a molecular mass of 57.1 KDa. It migrates as an approximately 92-116 KDa band in SDS-PAGE under reducing conditions.

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

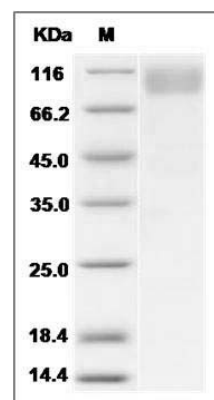
Storage

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



Human PDGFRB / PDGFR-1 / CD140b Protein
SDS-PAGE