

# Human PDGFRB/CD140b (His Tag) recombinant protein



Catalog Number: 504125

## 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 human PDGFR $\beta$  (NP\_002600.1) extracellular domain (Met 1-Lys 531) was expressed, with a C-terminal polyhistidine tag.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized PDGFR $\beta$ -His at 10  $\mu$ g/ml (100  $\mu$ l/well) can bind Cynomolgus PDGFB (Cat:502517), The EC<sub>50</sub> of Cynomolgus PDGFB (Cat:502517) is 3-8 ng/ml.

### Purity

> 90 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu$ g 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 secreted recombinant human PDGFR $\beta$  comprises 510 amino acids and predicts a molecular mass of 57.6 kDa. It migrates as an approximately 95-100 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

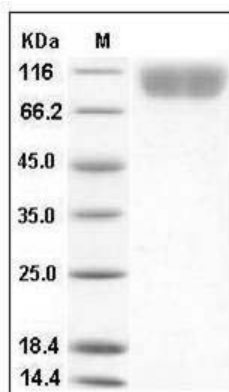
### Storage

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 CD140b / PDGFRB Protein (His Tag) SDS-PAGE