

## 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 $\beta$  (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 $\beta$  at 10  $\mu\text{g/ml}$  (100  $\mu\text{l/well}$ ) can bind Cynomolgus PDGFB (Cat:502517), The  $\text{EC}_{50}$  of Cynomolgus PDGFB (Cat:502517) is 3-7  $\text{ng/ml}$ .

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Leu 33

### Molecular Mass

The recombinant human PDGFR $\beta$  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

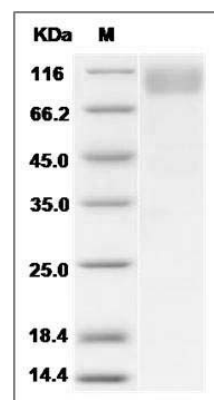
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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  $\text{mg/ml}$ . Concentration is measured by UV-Vis.

### SDS-PAGE



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