

# Rat PDGFRB/CD140b (His Tag) recombinant protein



Catalog Number: 502440

## 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 rat PDGFRB (Q05030) (Met1-Lys530) was expressed, fused with a polyhistidine tag at the C-terminus.

### Organism

Rat

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized rat PDGFRB-His at 10 µg/ml (100 µl/well) can bind Cynomolgus PDGFB (Cat:502517), The EC<sub>50</sub> 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 32

## Molecular Mass

The recombinant rat PDGFRB comprises 510 amino acids and predicts a molecular mass of 57.6 kDa. The apparent molecular mass of the recombinant protein is approximately 92 kDa in SDS-PAGE under reducing conditions due to glycosylation.

## 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

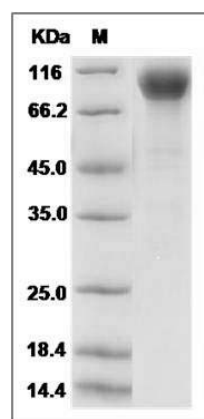
### Storage

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



Rat PDGFRB / PDGFR-1 Protein (His Tag) SDS-PAGE