

## Active Recombinant Rat Pdgfrb Protein, hFc-tagged

Cat. No. Pdgfrb-306R Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Pdgfrb Protein(Q05030) (Met1-Lys530) was expressed in HEK293, fused with the Fc region of human IgG1 at the C-terminus.
<b>Species</b>	Rat
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Lys530
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA. Immobilized mouse PDGF-B at 10µg/mL (100µL/well) can bind rat PDGFRB-Fc, the EC50 of rat PDGFRB-Fc is 0.02-0.2 µg/mL.
<b>Molecular Mass</b>	The recombinant rat PDGFRB/Fc is a disulfide-linked homodimer. The reduced monomer comprises 740 amino acids and has a predicted molecular mass of 83.2 kDa. The apparent molecular mass of the protein is approximately 117 kDa in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 90 % as determined by SDS-PAGE.

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**Storage** Samples are stable for up to twelve months from date of receipt at -20°C to -80°C  
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** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** [Pdgfrb platelet derived growth factor receptor, beta polypeptide \[ Rattus norvegicus \]](#)

**Official Symbol** [Pdgfrb](#)

**Synonyms** PDGFRB; platelet derived growth factor receptor, beta polypeptide; platelet-derived growth factor receptor beta; PDGFR-beta; PDGF-R-beta; CD140 antigen-like family member B; platelet-derived growth factor receptor 1; beta platelet-derived growth factor receptor; Platelet-derived growth factor receptor, beta; beta-type platelet-derived growth factor receptor; platelet-derived growth factor receptor beta variant 1; PDGFR-1;

**Gene ID** [24629](#)

**mRNA Refseq** [NM\\_031525](#)

**Protein Refseq** [NP\\_113713](#)

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