

## Active Recombinant Mouse Pdgfrb Protein, His-Tagged

**Cat. No.** Pdgfrb-01M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Pdgfrb Protein, His-Tagged was expressed in Mouse myeloma cell line cell
<b>Species</b>	Mouse
<b>Source</b>	NS0
<b>Description</b>	Enables platelet-derived growth factor-activated receptor activity and signaling receptor binding activity. Involved in several processes, including positive regulation of intracellular signal transduction; protein phosphorylation; and vasculature development. Acts upstream of or within several processes, including animal organ development; response to ceramide; and ruffle assembly. Located in cell surface; cytoplasm; and ruffle. Is expressed in several structures, including alimentary system; extraembryonic component; genitourinary system; nervous system; and sensory organ. Used to study basal ganglia calcification; infantile myofibromatosis; myeloproliferative neoplasm; and severe nonproliferative diabetic retinopathy. Human ortholog(s) of this gene implicated in basal ganglia calcification; glioblastoma; infantile myofibromatosis; myeloproliferative neoplasm (multiple); and renal cell carcinoma. Orthologous to human PDGFRB (platelet derived growth factor receptor beta).
<b>Form</b>	Lyophilized
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA. When Recombinant Rat PDGF-BB is immobilized at 2 g/mL (100 μ/well), the concentration of Recombinant Mouse

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



	PDGF R beta that produces 50% of the optimal binding response is 0.25-1.5 µg/mL.
<b>Molecular Mass</b>	57 kDa
<b>N-terminal Sequence Analysis</b>	Leu32
<b>Endotoxin</b>	<0.10 EU per 1 µg of the protein by the LAL method.
<b>Purity</b>	>90%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, ≤ -20 °C under sterile conditions after reconstitution.
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS.
<b>Reconstitution</b>	Reconstitute at 500 µg/mL in PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

## GENE INFORMATION

<b>Gene Name</b>	Pdgfrb platelet derived growth factor receptor, beta polypeptide [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Pdgfrb

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA



<b>Synonyms</b>	Pdgfr; CD140b; PDGFR-1
<b>Gene ID</b>	<a href="#">18596</a>
<b>mRNA Refseq</b>	<a href="#">NM_001146268.1</a>
<b>Protein Refseq</b>	<a href="#">NP_001139740.1</a>
<b>UniProt ID</b>	<a href="#">P05622</a>

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA