

Active Recombinant Mouse Pdgfrb Protein, His-Tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse Pdgfrb Protein, His-Tagged was expressed in Mouse myeloma cell line cell
Species	Mouse
Source	NS0
Description	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).
Form	Lyophilized
Bio-activity	Measured by its binding ability in a functional ELISA. When Recombinant Rat PDGF-BB is immobilized at 2 μ g/mL (100 μ l/well), the concentration of Recombinant Mouse

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	PDGF R beta that produces 50% of the optimal binding response is 0.25-1.5 µg/mL.
Molecular Mass	57 kDa
N-terminal Sequence Analysis	Leu32
Endotoxin	<0.10 EU per 1 µg of the protein by the LAL method.
Purity	>90%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	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.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in PBS.
Reconstitution	Reconstitute at 500 µg/mL in PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

GENE INFORMATION

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

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Synonyms	Pdgfr; CD140b; PDGFR-1
Gene ID	18596
mRNA Refseq	NM_001146268.1
Protein Refseq	NP_001139740.1
UniProt ID	P05622

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