

Recombinant Mouse Pdgfd Protein, Ser250-Arg370

Cat. No. PDGFD-12569M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse PDGF-D Protein, Ser250-Arg370, without tag was expressed in Mouse myeloma cell line.
Species	Mouse
Source	Mouse myeloma cell
ProteinLength	Ser250-Arg370
Description	Predicted to enable platelet-derived growth factor receptor binding activity. Acts upstream of or within cellular response to amino acid stimulus and regulation of peptidyl-tyrosine phosphorylation. Located in extracellular space. Is expressed in bladder; brain; and urethra of male. Human ortholog(s) of this gene implicated in prostatic hypertrophy. Orthologous to human PDGFD (platelet derived growth factor D).
Form	Disulfide-linked homodimer
Bio-activity	Measured in a cell proliferation assay using NR6R-3T3 mouse fibroblast cells. The ED50 for this effect is 15-90 ng/mL
Molecular Mass	Predicted Molecular Mass: 14 kDa SDS-PAGE: 18-20 kDa, reducing conditions
Endotoxin	< 0.10 EU/μg of the protein by the LAL method.

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Purity	> 90%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.
N-terminal Sequence Analysis	Ser250
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in HCl.
Shipping	The product is shipped at ambient temperature.
Reconstitution	Reconstitute at 250 µg/mL in 4 mM HCl.
References	1. Reigstad, L.J. et al. (2005) FEBS J. 272:5723. 2. Fredriksson, L. et al. (2004) Cytokine Growth Factor Rev. 15:197. 3. LaRoche, W.J. et al. (2001) Nat. Cell Biol. 3:517.

GENE INFORMATION

Gene Name	Pdgfd platelet-derived growth factor, D polypeptide [Mus musculus]
Official Symbol	Pdgfd
Synonyms	PDGFD; platelet-derived growth factor, D polypeptide; platelet-derived growth factor D; PDGF-D; SCDGF-B; spinal cord-derived growth factor B; 1110003I09Rik;
Gene ID	71785

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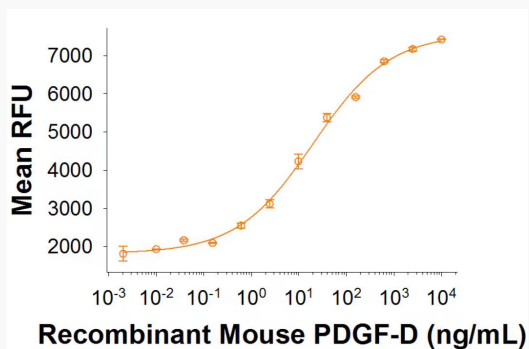
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mRNA Refseq [NM_027924](#)

Protein Refseq [NP_082200](#)

UniProt ID [Q925I7](#)

Activity



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