

## Recombinant Mouse Pdgfd Protein, Ser250-Arg370

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse PDGF-D Protein, Ser250-Arg370, without tag was expressed in Mouse myeloma cell line.
<b>Species</b>	Mouse
<b>Source</b>	Mouse myeloma cell
<b>ProteinLength</b>	Ser250-Arg370
<b>Description</b>	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).
<b>Form</b>	Disulfide-linked homodimer
<b>Bio-activity</b>	Measured in a cell proliferation assay using NR6R-3T3 mouse fibroblast cells. The ED50 for this effect is 15-90 ng/mL
<b>Molecular Mass</b>	Predicted Molecular Mass: 14 kDa SDS-PAGE: 18-20 kDa, reducing conditions
<b>Endotoxin</b>	< 0.10 EU/μg of the protein by the LAL method.

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<b>Purity</b>	> 90%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.
<b>N-terminal Sequence Analysis</b>	Ser250
<b>Storage</b>	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.
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered solution in HCl.
<b>Shipping</b>	The product is shipped at ambient temperature.
<b>Reconstitution</b>	Reconstitute at 250 µg/mL in 4 mM HCl.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Reigstad, L.J. et al. (2005) FEBS J. 272:5723.</li> <li>2. Fredriksson, L. et al. (2004) Cytokine Growth Factor Rev. 15:197.</li> <li>3. LaRoche, W.J. et al. (2001) Nat. Cell Biol. 3:517.</li> </ol>

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Pdgfd platelet-derived growth factor, D polypeptide [ Mus musculus ]</a>
<b>Official Symbol</b>	<a href="#">Pdgfd</a>
<b>Synonyms</b>	PDGFD; platelet-derived growth factor, D polypeptide; platelet-derived growth factor D; PDGF-D; SCDGF-B; spinal cord-derived growth factor B; 1110003I09Rik;
<b>Gene ID</b>	<a href="#">71785</a>

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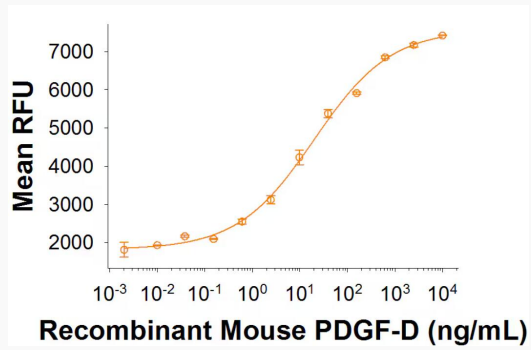
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mRNA Refseq [NM\\_027924](#)

Protein Refseq [NP\\_082200](#)

UniProt ID [Q925I7](#)

### Activity



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