

## Active Recombinant Mouse Pdgfb protein, His-tagged

**Cat. No.** PDGFB-12568M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Pdgfb protein(Ser82-Thr190), fused with C-terminal His tag, was expressed in HEK293.                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 82-190 aa                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Form</b>             | Lyophilized from a 0.22 µm filtered solution of 20mMNaAc-Hac pH4.5                                                                                                                                                                                                                                                                                                                           |
| <b>Bio-activity</b>     | 1. Measured by its binding ability in a functional ELISA.Immobilized Human PDGFB at 2 µg/mL (100 µL/well) can bind Human PDGFRB with a linear range of 12-153 ng/mL. 2. Measured in a cell proliferation assay using Balb3T3 mouse fibroblast cells. The ED50 for this effect is 0.36-1.42 ng/mL, corresponding to a specific activity of $7.04 \times 10^5 \sim 2.78 \times 10^6$ units/mg. |
| <b>Molecular Mass</b>   | 13.06 kDa                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Endotoxin</b>        | < 1 EU/µg of the protein by LAL method.                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>           | ≥ 95 % as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage</b>          | Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months,                                                                                                                                                                                                             |

 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

at 2-8°C for up to 1 week.

#### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## GENE INFORMATION

**Gene Name** Pdgfb platelet derived growth factor, B polypeptide [ Mus musculus ]

**Official Symbol** Pdgfb

#### Synonyms

PDGFB; platelet derived growth factor, B polypeptide; platelet-derived growth factor subunit B; c-sis; PDGF-2; PDGF subunit B; proto-oncogene c-Sis; platelet-derived growth factor B chain; platelet-derived growth factor beta polypeptide; Sis; PDGF-B;

**Gene ID** 18591

**mRNA Refseq** NM\_011057

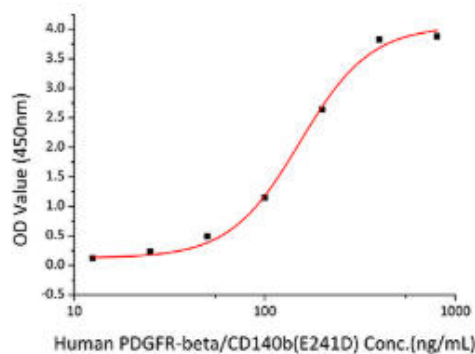
**Protein Refseq** NP\_035187

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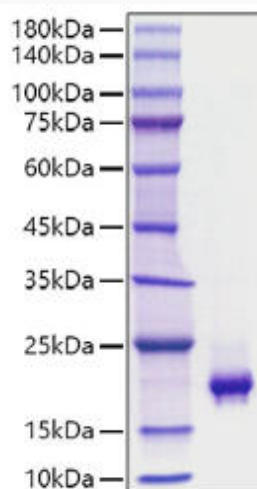
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## Activity



## SDS-PAGE



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