

## Active Recombinant Human PDGFB protein, His-Avi-tagged

**Cat. No.** PDGFB-377H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human PDGFB protein(Ser 82 - Thr 190), fused with His and Avi tag, was expressed in E.coli.                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | Ser 82 - Thr 190                                                                                                                                                                                                                                               |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in 0.085% TFA in 30% ACN, 10% trehalose.                                                                                                                                                                            |
| <b>Bio-activity</b>     | Immobilized Unconjugated Human PDGF-BB, His,Avitag at 1 µg/mL (100 µL/well) can bind Human PDGF R beta, Fc Tag with a linear range of 0.5-16 ng/mL.                                                                                                            |
| <b>Molecular Mass</b>   | This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag).The protein has a calculated MW of 15.1 kDa. the protein migrates as 17 kDa under reducing (R) condition, and 35 kDa under non-reducing (NR) condition (SDS-PAGE). |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                                                                                     |
| <b>Purity</b>           | >95% as determined by SDS-PAGE.                                                                                                                                                                                                                                |
| <b>Storage</b>          | For long term, the product should be stored at lyophilized state at -20°C or                                                                                                                                                                                   |

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lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** PDGFB platelet-derived growth factor beta polypeptide [ Homo sapiens ]

**Official Symbol** PDGFB

**Synonyms**

PDGFB; platelet-derived growth factor beta polypeptide; platelet derived growth factor beta polypeptide (simian sarcoma viral (v sis) oncogene homolog) , SIS; platelet-derived growth factor subunit B; becaplermin; oncogene SIS; SSV; PDGF-2; PDGF, B chain; PDGF subunit B; proto-oncogene c-Sis; platelet-derived growth factor 2; platelet-derived growth factor B chain; platelet-derived growth factor, B chain; Platelet-derived growth factor, beta polypeptide (oncogene SIS); platelet-derived growth factor beta polypeptide (simian sarcoma viral (v-sis) oncogene homolog); SIS; PDGF2; c-sis; FLJ12858;

**Gene ID** 5155

**mRNA Refseq** NM\_002608

**Protein Refseq** NP\_002599

**MIM** 190040

**UniProt ID** P01127

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