

# Recombinant Rhesus PDGFB Protein (Ser82-Thr190), His-tagged

**Cat. No.** PDGFB-977R    **Lot. No.** (See product label)

## SPECIFICATION

|                             |  |
|-----------------------------|--|
| <b>Product Overview</b>     | Recombinant Rhesus PDGFB Protein (XP_001097395.1) (Ser82-Thr190) was produced by Yeast expression system. This protein was expressed with a polyhistidine tag at the N-terminus.   |
| <b>Species</b>              | Rhesus macaque   |
| <b>Source</b>               | Yeast  |
| <b>ProteinLength</b>        | Ser82-Thr190   |
| <b>Description</b>          | Platelet-derived growth factor-B (PDGFB) is necessary for normal cardiovascular development. The administration of PDGFB alone normalized tumor vasculature by increasing periendothelial coverage and vascular functionality. Interestingly, this effect exerted by PDGFB was also observed in the presence of DAPT. So PDGFB is able to improve tumor vascularity and allows the anticancer action of DAPT in the tumor. |
| <b>Predicted N Terminal</b> | His  |
| <b>Form</b>                 | Lyophilized from sterile 30 % CAN, 0.1 % TFA. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.   |
| <b>Molecular Mass</b>       | The recombinant PDGFB consists of 124 amino acids and predicts a molecular mass of 14.2 kDa.   |

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|-----------------------|--|
| <b>Purity</b>         | > 95 % as determined by SDS-PAGE.  |
| <b>Stability</b>      | Samples are stable for up to twelve months from date of receipt at -70 centigrade.   |
| <b>Storage</b>        | Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.   |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.  |
| <b>Shipping</b>       | In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature.<br>Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise. |

## GENE INFORMATION

|                        |  |
|------------------------|--|
| <b>Gene Name</b>       | PDGFB platelet derived growth factor subunit B [ <i>Macaca mulatta</i> (Rhesus monkey) ] |
| <b>Official Symbol</b> | PDGFB  |
| <b>Gene ID</b>         | 703173   |
| <b>mRNA Refseq</b>     | XM_001097395   |
| <b>Protein Refseq</b>  | XP_001097395   |
| <b>UniProt ID</b>      | F7HKP4   |

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