

## Active Recombinant Cynomolgus PDGFB protein(Ser82-Thr190), mFc-tagged

Cat. No. PDGFB-209C Lot. No. (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Cynomolgus PDGFB (EHH65851.1) (Ser82-Thr190) was expressed in HEK293 with the Fc region of Mouse IgG1 at the N-terminus.  |
| <b>Species</b>          | Cynomolgus  |
| <b>Source</b>           | HEK293  |
| <b>ProteinLength</b>    | Ser82-Thr190  |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.  |
| <b>Bio-activity</b>     | 1. Measured in a cell proliferation assay using Balb/c 3T3 mouse embryonic fibroblasts. The ED50 for this effect is typically 5-25 ng/ml. 2. Measured by its binding ability in a functional ELISA. Immobilized Cynomolgus PDGFRB-His at 10 µg/ml (100 µl/well) can bind Cynomolgus S4-mFc3-PDGFB, The EC50 of Cynomolgus S4-mFc3-PDGFB is 3.6-7.4 ng/ml. |
| <b>Molecular Mass</b>   | The recombinant cynomolgus PDGFB is a disulfide-linked homodimer. The reduced monomer comprises 345 amino acids and has a calculated molecular mass of 38.9 KDa. The apparent molecular mass of it is approximately 43 and 32 KDa in SDS-PAGE.  |
| <b>Endotoxin</b>        | < 1.0 EU per  |

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|                       |   |
|-----------------------|---|
|                       | µg of the protein as determined by the LAL method.  |
| <b>Purity</b>         | > 95 % as determined by SDS-PAGE  |
| <b>Storage</b>        | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. 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 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.   |

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