

# Recombinant Human PDGFRB Protein, ENLYFQ-tagged, FITC conjugated

**Cat. No.** PDGFRB-471HF    **Lot. No.** (See product label)

## SPECIFICATION

|                                     |                                                                                                                                                                                                   |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | FITC conjugated recombinant human PDGFRB extracellular domain (NP_002600.1) (Met1-Lys531), fused with six amino acids (ENLYFQ) at the C-terminus, was produced in Human Cells.                    |
| <b>Species</b>                      | Human                                                                                                                                                                                             |
| <b>Source</b>                       | HEK293                                                                                                                                                                                            |
| <b>ProteinLength</b>                | 506                                                                                                                                                                                               |
| <b>Form</b>                         | Lyophilized                                                                                                                                                                                       |
| <b>Molecular Mass</b>               | The recombinant human PDGFR $\beta$ consists of 506 amino acids and predicts a molecular mass of 57.1 kDa. It migrates as an approximately 92-116 kDa band in SDS-PAGE under reducing conditions. |
| <b>N-terminal Sequence Analysis</b> | Leu 33                                                                                                                                                                                            |
| <b>Endotoxin</b>                    | < 1.0 EU/ $\mu$ g of the protein as determined by the LAL method.                                                                                                                                 |
| <b>Purity</b>                       | > 95 % as determined by SDS-PAGE                                                                                                                                                                  |
| <b>Characteristic</b>               | Disulfide-linked homodimer                                                                                                                                                                        |

 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

|                       |                                                                                                                                                                             |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | <p>Labeled with FITC via amines</p> <p>Excitation source: 488 nm spectral line, argon-ion laser</p> <p>Excitation Wavelength: 488 nm</p> <p>Emission Wavelength: 535 nm</p> |
| <b>Stability</b>      | Samples are stable for up to 12 months from date of receipt at -70 centigrade.                                                                                              |
| <b>Storage</b>        | Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.         |
| <b>Storage Buffer</b> | Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose and mannitol are added as protectants before lyophilization.                                                 |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.   |
| <b>Conjugation</b>    | FITC                                                                                                                                                                        |

## GENE INFORMATION

|                        |                                                                                   |
|------------------------|-----------------------------------------------------------------------------------|
| <b>Gene Name</b>       | PDGFRB platelet-derived growth factor receptor, beta polypeptide [ Homo sapiens ] |
| <b>Official Symbol</b> | PDGFRB                                                                            |
| <b>Gene ID</b>         | 5159                                                                              |
| <b>mRNA Refseq</b>     | NM_002609                                                                         |
| <b>Protein Refseq</b>  | NP_002600                                                                         |
| <b>MIM</b>             | 173410                                                                            |

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