

# Recombinant Rat Pdgfrb Protein, Fc-tagged, Alexa Fluor 555 conjugated

**Cat. No.** Pdgfrb-36RAF555    **Lot. No.** (See product label)

## SPECIFICATION

|                                     |                                                                                                                                                                                                                                                                 |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | Alexa Fluor 555 conjugated recombinant Rat Pdgfrb (Q05030) (Met1-Lys530), fused with the Fc region of human IgG1 at the C-terminus, was produced in Human Cells.                                                                                                |
| <b>Species</b>                      | Rat                                                                                                                                                                                                                                                             |
| <b>Source</b>                       | HEK293                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>                | 740                                                                                                                                                                                                                                                             |
| <b>Form</b>                         | Lyophilized                                                                                                                                                                                                                                                     |
| <b>Molecular Mass</b>               | The recombinant rat PDGFRB/Fc is a disulfide-linked homodimer. The reduced monomer comprises 740 amino acids and has a predicted molecular mass of 83.2 kDa. The apparent molecular mass of the protein is approximately 117 kDa in SDS-PAGE under reducing con |
| <b>N-terminal Sequence Analysis</b> | Leu 32                                                                                                                                                                                                                                                          |
| <b>Endotoxin</b>                    | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                                                                                    |
| <b>Purity</b>                       | > 90 % as determined by SDS-PAGE                                                                                                                                                                                                                                |
| <b>Characteristic</b>               | Disulfide-linked homodimer                                                                                                                                                                                                                                      |

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|                       |                                                                                                                                                                                                                                        |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | <p>Labeled with Alexa Fluor 555 via amines</p> <p>With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.</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>    | Alexa Fluor 555                                                                                                                                                                                                                        |

## GENE INFORMATION

|                        |                                                                                        |
|------------------------|----------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Pdgfrb platelet derived growth factor receptor, beta polypeptide [ Rattus norvegicus ] |
| <b>Official Symbol</b> | Pdgfrb                                                                                 |
| <b>Gene ID</b>         | 24629                                                                                  |
| <b>mRNA Refseq</b>     | NM_031525                                                                              |
| <b>Protein Refseq</b>  | NP_113713                                                                              |

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