

## Product datasheet for **TP727485**

### Pdgfra Mouse Recombinant Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Recombinant Mouse PDGF R $\hat{1}\pm$ /PDGFRA/CD140a (C-Fc)   |
| Species:                              | Mouse   |
| Expression cDNA Clone or AA Sequence: | Leu25-Glu524  |
| Tag:                                  | C-Fc  |
| Buffer:                               | Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.   |
| Note:                                 | Recombinant Mouse Platelet-derived growth factor receptor alpha is produced by our Mammalian expression system and the target gene encoding Leu25-Glu524 is expressed with a Fc tag at the C-terminus.  |
| Stability:                            | 12 months from date of despatch   |
| Locus ID:                             | 18595   |
| UniProt ID:                           | <a href="#">P26618</a>  |
| Summary:                              | Platelet-derived growth factor receptors (PDGFR) are cell surface tyrosine kinase receptors for members of the platelet-derived growth factor (PDGF) family. The PDGF family consists of PDGF-A, -B, -C and -D, which form either homo- or heterodimers (PDGF-AA, -AB, -BB, -CC, -DD). The four PDGFs are inactive in their monomeric forms. PDGFs bind to the protein tyrosine kinase receptors PDGF receptor- $\hat{1}\pm$ and - $\hat{1}^2$ . These two receptor isoforms dimerize upon binding the PDGF dimer, leading to three possible receptor combinations, namely - $\hat{1}\pm\hat{1}\pm$ , - $\hat{1}^2\hat{1}^2$ and - $\hat{1}\pm\hat{1}^2$ . PDGFR $\hat{1}\pm$ and PDGFR $\hat{1}^2$ are members of the class III RTK family. Inappropriate PDGFR $\hat{1}\pm$ and PDGFR $\hat{1}^2$ signaling has been linked to a number of proliferative disorders. |



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