

## 32-8776: Recombinant Mouse PDGFR $\alpha$ /PDGFRA/CD140a (C-6His)

**Gene :** Pdgfra  
**Gene ID :** 18595  
**Uniprot ID :** P26618

### Description

Source: Human Cells.  
MW :56.9kD.

Recombinant Mouse PDGF receptor alpha is produced by our Mammalian expression system and the target gene encoding Leu25-Glu524 is expressed with a 6His tag at the C-terminus. 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- $\alpha$  and - $\beta$ . These two receptor isoforms dimerize upon binding the PDGF dimer, leading to three possible receptor combinations, namely - $\alpha\alpha$ , - $\beta\beta$  and - $\alpha\beta$ . PDGFRA and PDGFR  $\beta$  are members of the class III RTK family. Inappropriate PDGFRA and PDGFR  $\beta$  signaling has been linked to a number of proliferative disorders.

### Product Info

**Amount :** 10  $\mu$ g / 50  $\mu$ g  
**Content :** Lyophilized from a 0.2  $\mu$ m filtered solution of PBS, pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** LLLPSILPNEKIVQLNSSFSLRCVGESEVSWQHPMSEEDDPNVEIRSEENNSGLFVTVLEVVNASAAHTGWY TCYYNHTQTDESEIEGRHIYIYVDPDPMFVPLGMTDSLIVIVEEDDSAIPCRITDPETQVTLHNNGRLLVPASYDS RQGFNGTFSVGPYICEATVKGRFTKTFSEFNVYALKATSELNLEMDARQTVYKAGETIVVTCVFNNEVVDLQWT YPGEVRNKGITMLEEIKLPSIKLVYTLVTPKATVKDSGEYCAARQATKEVKEMKRVTVSVEHEKGFVEIPTFGQLE AVNLHEVREFVVEVQAYPTPRISWLKDNLTLIENLTIITDQVKSQETRYQSKLKLIRAKEEDSGHYTIIVQNEDD VKSYTFELSTLVPASILDLDVDDHHGSGGGQTVRCTAEGTLPIDWMICKHIKCNNDTSWTVLASNVSNITEL PRRGRSTVEGRVSAKVEETIAVRCLAKNNLSVVAARELKLVAPTLRSEHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.