

32-8761: Recombinant Mouse PDGF R a/PDGFRα/CD140a (C-Fc)

Gene : Pdgfra

Gene ID : 18595

Uniprot ID : P26618

Description

Source: Human Cells.

MW :83.2kD.

Recombinant Mouse PDGF 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. 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-a and - beta. These two receptor isoforms dimerize upon binding the PDGF dimer, leading to three possible receptor combinations, namely -aa, -beta beta and -a beta. PDGFRα and PDGFR β are members of the class III RTK family. Inappropriate PDGFRα and PDGFR β signaling has been linked to a number of proliferative disorders.

Product Info

Amount : 10 µg / 50 µg

Content : Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks.

Amino Acid : 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.

LLPSILPNENEKIVQLNSSFLRCVGESEVSWQHPMSEEDDPNVEIRSEENNSGLFVTVLEVVNASAHTGWY
TCYYNHTQTDESEIEGRHIYIYVPDPDMAFVPLGMTDSLIVEEDDSAIIPCRTTDPETQVTLHNNGRLVPASYDS
RQGFNGTFSVGPYICEATVKGRTFKTSEFNVYALKATSELNLEMDARQTVYKAGETIVVTCAVFNNEVVDLQWT
YPGEVRNKGITMLEEIKLPSIKLVYTLPKATVKDSGEYECAARQATKEVKEMKRVТИVHEKGFVIEPTFGQLE
AVNLHEVREFVVEQAYPTPRISWLKDNLTLIENLTEITDVQKSQETRYQSKLKLIRAKEEDSGHYTIIVQNEDD
VKSYTFELSTLVPASILDLVDDHHGSGGGQTVRCTAEGTPLPEIDWMICKHKKCNNTSWTVLASNVSNIITEL
PRRGRSTVEGRVSFAKVEETIAVRCLAKNNLSVARELKLVAPTLRSEVDDIEGRMDEPKSCDKTHTCPPCPAP
ELLGGPSVFLPPKPKDTLMISRPEVTCVVVDVSHEDPEVKFNWYVGVEVHNAKTPREEQYNSTYRVSVL
TVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQSLTCLVKGFYPSDIAVE
WESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFCSVVMHEALHNHYTQKSLSLSPGK

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.