

32-8761: Recombinant Mouse PDGF R α /PDGFRA/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- α and - β . 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 β are members of the class III RTK family. Inappropriate PDGFRA and PDGFR β signaling has been linked to a number of proliferative disorders.

Product Info

Amount : 10 μ g / 50 μ g
Content : Lyophilized from a 0.2 μ 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 : LLLPSILPNEKIVQLNSSFSLRCVGESEVSWQHPMSEEDDPNVEIRSEENNSGLFVTVLEVNVASAAHTGWY TCYNYHTQTDESEIEGRHIYVDPDPMFVPLGMTDSLIVIVEEDDSAIIPCRITDPETQVTLHNNGRLLVPASYDS RQGFNGTFSVGPYICEATVKGRFTKTFSEFNVYALKATSELNLEMDARQTVYKAGETIVVTCVFNNEVVDLQWT YPGEVRNKGITMLEEIKLPSIKLVYTLVTPKATVKDSGEYCAARQATKEVKEMKRVTVSVEHEKGFVEIPTFGQLE AVNLHEVREFVVEVQAYPTPRISWLKDNLTLIENLTIITDQVKSQETRYQSKLKLIRAKEEDSGHYTIIVQNEDD VKSYTFELSTLVPASILDLDVDDHHGSGGGQTVRCTAEGTPLPEIDWMICKHIKCNNDTSWTVLASNVSNITEL PRRGRSTVEGRVSFAKVEETIAVRCLAKNNLSVARELKLVAPTLRSEVDDIEGRMDEPKSCDKTHTCPPCPAP ELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVL TVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVE WESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK

Application Note

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