

Active Recombinant Human PDGFRA, Fc-tagged, Biotinylated

Cat. No. PDGFRA-662H **Lot. No.** (See product label)

SPECIFICATION

| | |
|-------------------------|--|
| Product Overview | The recombinant human PDGFRA-Fc fusion is expressed as a 733 amino acid protein consisting of Gln24 - Ala528 region of PDGFRA and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions. |
| Species | Human |
| Source | Human Cells |
| ProteinLength | 24-528 a.a. |
| Form | Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule). |
| Bio-activity | Binds human PDGF family members (PDGFA, PDGFB and PDGFC) and blocks PDGF-mediated signaling activity in fibroblast cells. |
| Molecular Mass | Calculated molecular mass (kDa): 82.1; Estimated by SDS-PAGE under reducing condition (kDa): 90-100 |
| AA Sequence | <p>QLSLPSILPNENEKVVQLNSSFSLRCFGESEVSWQYPMSEEESSDVEIRNEENNSGL FVTVLEVSSASAAHTGL YTCYYNHTQTEENELEGRHIYIYVDPDVAFVPLGMTDYL VIVEDDDSAIIPCRRTTDPETPVTLHNSEGVPAS YDSRQGFNGTFTVGPYICEATVK GKKFQTIPFNVYALKATSELDLEMEALKTVYKSGETIVVTCVFNNEVVDL QWTYPG EVKKGKITMLEEIKVPSIKLVYTLTVPEATVKDSGDYECARQATREVKEMKKVTISV HEKGFIEIK PTFSQLEAVNLHEVKHFVVEVRAYPPPRISWLKNNLTLIENLTEITDVE</p> |

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KIQEIRYRSKLLIRAKEEDSGHY TIVAQNEDAVKSYTFELLTQVPSSILDLVDDHHGS
 TGGQTVRCTAEGTPLDIEWMICKDIKKCNNETSWTILA NNVSNIIIEIHDRDRSTVE
 GRVTFKVEETIAVRCLAKNLLGAENRELKLVAPTLRSELTVASTGHTHTCPPCPA PE
 LLGGPSVFLFPPKPKDITLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKT
 KPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPRE
 PQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIA VEWESNGQPENNYKTTTPVLDS
 GSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGK

Endotoxin

<0.1 eu="" per="" 1="" μg="" of="" purified="" recombinant="" protein=""
 determined="" by="" the="" lal="">

Purity

>95% judged by SDS-PAGE under reducing condition

Storage

The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below -20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

Conjugation

Biotin

GENE INFORMATION

Gene Name

PDGFRA platelet-derived growth factor receptor, alpha polypeptide [Homo sapiens]

Official Symbol

PDGFRA

Synonyms

PDGFRA; platelet-derived growth factor receptor, alpha polypeptide; platelet-derived growth factor receptor alpha; CD140a; PDGFR2; PDGFR-alpha; PDGF-R-alpha; CD140a antigen; PDGFRA/BCR fusion; CD140 antigen-like family member A; platelet-derived growth factor receptor 2; alpha-type platelet-derived growth factor

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receptor; rearranged-in-hypereosinophilia-platelet derived growth factor receptor alpha fusion protein; CD140A; PDGFR-2; RHEPDGFRA; MGC74795;

Gene ID [5156](#)

mRNA Refseq [NM_006206](#)

Protein Refseq [NP_006197](#)

MIM [173490](#)

UniProt ID [P16234](#)

Chromosome Location 4q12

Pathway ATF-2 transcription factor network, organism-specific biosystem; Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Downstream signal transduction, organism-specific biosystem; Endocytosis, organism-specific biosystem;

Function ATP binding; nucleotide binding; phosphatidylinositol 3-kinase binding; platelet-derived growth factor alpha-receptor activity; platelet-derived growth factor alpha-receptor activity; platelet-derived growth factor binding; platelet-derived growth factor binding; platelet-derived growth factor receptor binding; protein homodimerization activity; protein tyrosine kinase activity; receptor activity; transmembrane receptor protein tyrosine kinase activity; vascular endothelial growth factor binding; vascular endothelial growth factor-activated receptor activity;

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