

Recombinant Human PDGFRA Protein, Fc/His-tagged

Cat. No. PDGFRA-2050H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDGFRA/CD140a Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Gln24-Glu524) of human PDGFRA/CD140a (Accession #NP_006197.1) fused with an Fc, 6xHis tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Gln24-Glu524
Description	PDGFRA, i.e. platelet-derived growth factor receptor A, also termed PDGFR α , i.e. platelet-derived growth factor receptor α , is a receptor located on the surface of a wide range of cell types. This receptor binds to certain isoforms of platelet-derived growth factors (PDGFs) and thereby becomes active in stimulating cell signaling pathways that elicit responses such as cellular growth and differentiation. The receptor is critical for the development of certain tissues and organs during embryogenesis and for the maintenance of these tissues and organs, particularly hematologic tissues, throughout life. Mutations in the gene which codes for PDGFRA, i.e. the PDGFRA gene, are associated with an array of clinically significant neoplasms.
Form	Lyophilized from sterile PBS, pH 7.4, 5 % trehalose, 5 % mannitol.
Endotoxin	< 1.0 EU per

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	µg of the protein as determined by the LAL method.
Purity	> 90% as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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 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

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MIM	173490
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UniProt ID	P16234
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