

Recombinant Human Platelet-Derived Growth Factor Receptor, Alpha Polypeptide, His-tagged

Cat. No. PDGFRA-1147H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDGFRA, fused with a His-tag at N-terminus, was expressed in E. coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.
Species	Human
Source	Human
Description	PDGFRA, also known as platelet derived growth factor receptor alpha, is a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. This protein can bind to both A and B subunits of PDGF. It is particularly important for kidney development since mice heterozygous for the receptor exhibit defective kidney phenotypes.
Concentration	0.5 mg/ml
Form	Supplied as a liquid in 20mM Tris-HCl buffer, pH 8.0, containing 20% glycerol, 0.1M NaCl and 1mM DTT.
Purity	> 85% by SDS-PAGE
Sequence	24-524 amino acids: MGSSHHHHHH SSGLVPRGSH MQLSLPSILP NENEKVVQLN SSFSLRCFGE SEVSWQYPMS EEESDVEIRNEENNSGLFV TVLEVSSASA AHTGLYTCYY NHTQTEENEL EGRHIYIYVP DPDVAFVPLG

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MTDYLVIVEDDDSAIIPCRT TDPETPVT LH NSEGVVPASY DSRQGFNGTF
TVGPYICEAT VKGKKFQTIP FNVYALKATSELDL.

Molecular Mass 58.4 kDa(522 aa)

Applications SDS-PAGE

Storage Store at 4 deg C for short term storage (1/2 weeks). Aliquot and store at -20 deg C or -70 deg C for long term storage. Avoid repeated freeze/thaw cycles.

Official Symbol PDGFRA

GENE INFORMATION

Gene Name [PDGFRA platelet-derived growth factor receptor, alpha polypeptide \[Homo sapiens \]](#)

Synonyms

PDGFRA; platelet-derived growth factor receptor, alpha polypeptide;
CD140A; PDGFR2; MGC74795; RHEPDGFRA; Alpha-type platelet-derived growth factor receptor; PDGF-R-alpha; EC 2.7.10.1; CD140 antigen-like family member A; CD140a antigen; CD140a; EC 2.7.10; rearranged-in-hypereosinophilia-platelet derived growth factor receptor alpha fusion protein; PDGFRA/BCR fusion; OTTHUMP00000218653; OTTHUMP00000218654; OTTHUMP00000218655; OTTHUMP00000218656; OTTHUMP00000218657; OTTHUMP00000218658; OTTHUMP00000158882

Gene ID [5156](#)

mRNA Refseq [NM_006206](#)

Protein Refseq [NP_006197](#)

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MIM	173490
UniProt ID	P16234
Chromosome Location	4q12
Pathway	Calcium signaling pathway;Colorectal cancer; Cytokine-cytokine receptor interaction; Endocytosis; Focaladhesion; Gap junction; Glioma; Pathways in cancer; Regulation of actincytoskeleton; Signaling by PDGF
Function	ATP binding; nucleotidebinding; platelet-derived growth factor alpha-receptor activity;platelet-derived growth factor binding; platelet-derived growth factorreceptor binding; protein heterodimerization activity; receptor activity;transferase activity; vascular endothelial growth factor receptor activity

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