

Recombinant Human PDGFRA, His-tagged

Cat. No. PDGFRA-3560H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PDGFRA protein, fused to 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 (24-524 aa).
Species	Human
Source	E.coli
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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl, 1mM DTT
Molecular Weight	58.4 kDa (522aa)
Purity	> 85% by SDS - PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MQLSLPSILP NENEKVVQLN SSFSLRCFGE SEVSWQYPMS EEESDVEIR NEENNSGLFV TVLEVSSASA AHTGLYTCYY NHTQTEENEL EGRHIYIYVP DPDVAFVPLG MTDYLVIVED DDSAIIPCRT

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TDPETPVT LH NSEGVVPASY DSRQGFNGTF TVGPYICEAT VKGKKFQTIP
 FNVYALKATS ELDLEMEALK TVYKSGETIV VTCVFNNEV VDLQWTPGE
 VKGKGITMLE EIKVPSIKLV YTLTVPEATV KDSGDYEC AA RQATREVKEM
 KKVTISVHEK GFIEIKPTFS QLEAVNLHEV KHFVVEVRAY PPPRISWLKN
 NLTLIENLTE ITTDVEKIQE IRYRSKLKLI RAKEEDSGHY TIVAQNEDAV
 KSYTFELLTQ VPSSILDLVD DHHGSTGGQT VRCTAEGTPL PDIEWMICKD
 IKKCNNETSW TILANNVSNI ITEIHSRDRS TVEGRVTF AK VEETIAVRCL
 AKNLLGAENR ELKLVAPTLR SE.

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

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; CD140A; PDGFR2; MGC74795; RHEPDGFRA; Alpha-type platelet-derived growth factor receptor; EC 2.7.10.1; PDGF-R-alpha; CD140 antigen-like family member A; CD140a antigen

Gene ID

5156

mRNA Refseq

NM_006206

Protein Refseq

NP_006197

MIM

173490

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UniProt ID	P16234
Chromosome Location	4q12
Function	ATP binding; nucleotide binding; platelet-derived growth factor alpha-receptor activity; platelet-derived growth factor binding; platelet-derived growth factor receptor binding; protein heterodimerization activity; receptor activity; transferase activity; vascular endothelial growth factor receptor activity

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