

Recombinant Human Platelet-Derived Growth Factor Receptor, Alpha Polypeptide

Cat. No. PDGFRA-1576H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDGF alpha receptor extracellular domain is produced by genetically engineered <i>Spodoptera frugiperda</i> insect cells (<i>Sf9</i>) infected with recombinant baculovirus, and purified by lectin affinity chromatography.
Species	Human
Source	Sf9 Cells
Description	TNFR1 belongs to the TNFR superfamily of transmembrane proteins, and is expressed in most cell types. Binding of either TNF-alpha or TNF-beta to TNFR1 initiates a signal transduction pathway that results in the activation of the transduction factor NFkB, whose target genes are involved in the regulation of inflammatory responses, and, in certain cells induce apoptosis.
Availability	Available.
Isotype	N/A.
Purity	Over 85% pure by SDS gel electrophoresis.
Formulation	10 mM Tris-HCl, pH 7.0. Concentration: 0.50 mg protein/ml.
Biological Activity	The material is able to bind the ligand (PDGF) as demonstrated by immobilizing the PDGF receptor extracellular domain and establishing competition of binding with

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radioiodinated PDGF.

Stability At least 2 months at -80°C.

Storage Store at -80°C.

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; 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

UniProt ID P16234

Chromosome Location 4q12

Pathway Calcium signaling pathway; Colorectal cancer; Cytokine-cytokine receptor interaction; Endocytosis; Focal adhesion; Gap junction; Glioma; Pathways in cancer; Regulation of actin cytoskeleton; Signaling by PDGF

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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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