

# Recombinant Human Platelet-Derived Growth Factor Receptor, Alpha Polypeptide

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human PDGF alpha receptor extracellular domain is produced by genetically engineered <i>Spodoptera frugiperda</i> insect cells (Sf9) infected with recombinant baculovirus, and purified by lectin affinity chromatography.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>Description</b>	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.
<b>Availability</b>	Available.
<b>Isotype</b>	N/A.
<b>Purity</b>	Over 85% pure by SDS gel electrophoresis.
<b>Formulation</b>	10 mM Tris-HCl, pH 7.0. Concentration: 0.50 mg protein/ml.
<b>Biological Activity</b>	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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