

## Recombinant Human PDGFRA, GST-tagged, Active

Cat. No. PDGFRA-384H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant full-length PDGFRA (550-end) was expressed by *baculovirus Sf9 insect cells* using an N-terminal GST tag. MW=95kDa.

**Species** Human

**Source** Sf9 Cells

**Description** PDGFR $\alpha$  (platelet-derived growth factor receptor  $\alpha$ ) is a member of the PDGFR family of membrane receptors with intrinsic tyrosine kinase activity. Aberrant expression of PDGFR $\alpha$  has been linked to developmental abnormalities in vertebrate models and has been implicated in multiple disease states in humans. There is widespread expression of PDGFR $\alpha$  in renal cell types involved in fibrotic and sclerosing processes. PDGF and its receptor PDGFR $\alpha$  are inducers of fibrosis in the repair phase of inflammatory bowel disease and they may also be involved in the active inflammatory phase.

**Sequence** 550-end.

**Applications** Kinase Assay, Western Blot.

**Storage And Stability** Store product at  $-70^{\circ}\text{C}$ . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

### GENE INFORMATION

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<b>Gene Name</b>	PDGFRA platelet-derived growth factor receptor, alpha polypeptide [ Homo sapiens ]
<b>Synonyms</b>	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
<b>Gene ID</b>	5156
<b>mRNA Refseq</b>	NM_006206
<b>Protein Refseq</b>	NP_006197
<b>MIM</b>	173490
<b>UniProt ID</b>	P16234
<b>Chromosome Location</b>	4q12
<b>Pathway</b>	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
<b>Function</b>	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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