

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 <i>baculovirus</i> in <i>Sf9</i> insect cells using an N-terminal GST tag. MW=95kDa.
Species	Human
Source	Sf9 Cells
Description	PDGFR α (platelet-derived growth factor receptor α) is a member of the PDGFR family of membrane receptors with intrinsic tyrosine kinase activity. Aberrant expression of PDGFR α 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 α in renal cell types involved in fibrotic and sclerosing processes. PDGF and its receptor PDGFR α 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°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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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
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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