

Recombinant Mouse Pdgfra, GST-tagged, Active

Cat. No. Pdgfra-385M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse full-length Pdgfra (550-end) was expressed by <i>baculovirus</i> in <i>Sf9</i> insect cells using an N-terminal GST tag. MW=100 kDa.
Species	Mouse
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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	Pdgfra platelet derived growth factor receptor, alpha polypeptide [Mus musculus]
Synonyms	Pdgfra; platelet derived growth factor receptor, alpha polypeptide; CD140a; Pdgfr-2; AI115593; PDGF alpha chain; Alpha platelet-derived growth factor receptor precursor (PDGF-R-alpha); EC 2.7.10.1
Gene ID	18595
mRNA Refseq	NM_001083316
Protein Refseq	NP_001076785
UniProt ID	P26618
Chromosome Location	5 C3.3; 5 42.0 cM
Pathway	Calcium signaling pathway; Colorectal cancer; Cytokine-cytokine receptor interaction; Endocytosis; Focal adhesion; Gap junction; Glioma; Pathways in cancer; Regulation of actin cytoskeleton; MAPK signaling pathway
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