

## Recombinant Mouse Pdgfra Protein, Myc/DDK-tagged

Cat. No. Pdgfra-4758M    Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length platelet derived growth factor receptor, alpha polypeptide (Pdgfra), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	<p>This gene encodes a member of the receptor tyrosine kinase family of proteins. Binding of platelet-derived growth factor protein ligands to this receptor triggers receptor dimerization and autophosphorylation, resulting in the activation of several downstream signaling pathways. Signaling through the encoded receptor plays a role in gastrulation and the development of nearly all organ systems. Mice lacking a functional copy of this gene reportedly exhibit defects in lung, skeleton, testis and the central nervous system, and die soon after birth. Alternative splicing and intronic polyadenylation of gene transcripts have been implicated in muscle regeneration and fibrosis in adult mice.</p>
<b>Molecular Mass</b>	123.1 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	Pdgfra platelet derived growth factor receptor, alpha polypeptide [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Pdgfra
<b>Synonyms</b>	PDGFRA; platelet derived growth factor receptor, alpha polypeptide; platelet-derived growth factor receptor alpha; PDGFR-alpha; PDGF-R-alpha; PDGF alpha chain; CD140 antigen-like family member A; platelet-derived growth factor alpha receptor; alpha-type platelet-derived growth factor receptor; Alpha platelet-derived growth factor receptor precursor (PDGF-R-alpha); CD140a; Pdgfr-2; A1115593
<b>Gene ID</b>	18595
<b>mRNA Refseq</b>	NM_001083316
<b>Protein Refseq</b>	NP_001076785
<b>UniProt ID</b>	P26618

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