

## Product datasheet for **TP501931**

### **Pdgfa (NM\_008808) Mouse Recombinant Protein**

#### **Product data:**

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse platelet derived growth factor, alpha (Pdgfa), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR201931 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MRTWACLLLLGCGYLAHALAEEAEIPRELIERLARSQIHSIRDLQRILLEIDSVGAEDALETSLRAHGSHA INHVPEKRPVPIRRKRSIEEAIPAVCKTRTVIYEIPRSQVDPTSANFLIWPPCVEVKRCTGCCNTSSVKC QPSRVHHRSVKVAKVEYVRKKPKLKEVQVRLEEHLACACATSNLNPDHREEETDVR  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-MYC/DDK
Predicted MW:	22.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_032834</a></u>
Locus ID:	18590
UniProt ID:	<u><a href="#">P20033</a></u> , <u><a href="#">Q99L56</a></u>
RefSeq Size:	1019
Cytogenetics:	5 77.65 cM



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RefSeq ORF: 591

**Summary:** Growth factor that plays an essential role in the regulation of embryonic development, cell proliferation, cell migration, survival and chemotaxis. Potent mitogen for cells of mesenchymal origin. Required for normal lung alveolar septum formation during embryogenesis, normal development of the gastrointestinal tract, normal development of Leydig cells and spermatogenesis. Required for normal oligodendrocyte development and normal myelination in the spinal cord and cerebellum. Plays an important role in wound healing. Signaling is modulated by the formation of heterodimers with PDGFB. [UniProtKB/Swiss-Prot Function]