

Product datasheet for **TP723356**

Pdgfb (NM_011057) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse platelet derived growth factor, B polypeptide (Pdgfb).
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MSLGSLAAAE PAVIAECKTR TEVFQISRNL IDRTNANFLV WPPCVEVQRC SGCCNNRNVQ CRASQVQMRP VQVRKIEIVR KKPIFKKATV TLEDHLACKC ETIVTPRPVT
Tag:	Tag Free
Predicted MW:	24.4 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Determined by the dose-dependent stimulation of the proliferation of Balb/c 3T3 cells. The expected ED50 for this effect is 1.0-2.0 ng/ml.
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_035187
Locus ID:	18591
UniProt ID:	P31240 , A0A0R4IZW4
RefSeq Size:	2956
Cytogenetics:	15 37.85 cM
RefSeq ORF:	723
Synonyms:	PDGF-B; Sis



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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 proliferation and recruitment of pericytes and vascular smooth muscle cells in the central nervous system, skin, lung, heart and placenta. Required for normal blood vessel development, and for normal development of kidney glomeruli. Plays an important role in wound healing. Signaling is modulated by the formation of heterodimers with PDGFA.[UniProtKB/Swiss-Prot Function]