

Product datasheet for **TP727793**

Ptn Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Pleiotrophin/PTN (C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Gly33-Asp168
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Mouse Pleiotrophin is produced by our Mammalian expression system and the target gene encoding Gly33-Asp168 is expressed with a 6His tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	19242
UniProt ID:	P63089
Summary:	Pleiotrophin (PTN) is a secreted, strongly heparinbinding, developmentally regulated cytokine. PTN is a highly conserved protein ,Human, mouse, rat, canine, porcine, equine and bovine PTN share 98% aa sequence identity or greater. PTN and midkine share 50% amino acid (aa) sequence identity, share some functions, and constitute a family. During development, PTN is involved in development of brain, bone, and organs undergoing branching morphogenesis. PTN causes PTPRB dimerization and inactivates its phosphatase activity, which allows increased tyrosine phosphorylation of its substrates. Increased expression of PTN is correlated with neuronal development or stresses such as brain ischemia and Parkinsonâ€™s disease.



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