

Datasheet for ABIN7320789

Pleiotrophin Protein (PTN) (His tag)**1** Image[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	Pleiotrophin (PTN)
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Pleiotrophin protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse Pleiotrophin/PTN/HB-GAM Protein (His Tag)
Sequence:	Gly33-Asp168
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Pleiotrophin (PTN)
Alternative Name:	Pleiotrophin/PTN/HB-GAM (PTN Products)
Background:	Background: Pleiotrophin (PTN) is an secreted, strongly heparinbinding,developmentally regulated cytokine. PTN and midkine share50 % amino acid (aa) sequence identity, share some functions, and constitute a family. PTN is a highly conserved protein? human, mouse, rat,

Target Details

canine, porcine, equine and bovine PTN share 98 % aa sequence identity or greater. 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 Parkinson's disease.

Synonym: Pleiotrophin, PTN, Heparin-binding brain mitogen, HBBM, Heparin-binding growth factor 8, HBGF-8, Osteoblast-specific factor 1, OSF-1, HARP, HB-GAM, HBBN, HBNF, OSF, Osf-1, Osf1

Molecular Weight: 16.1 kDa

UniProt: [P63089](#)

Pathways: [RTK Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

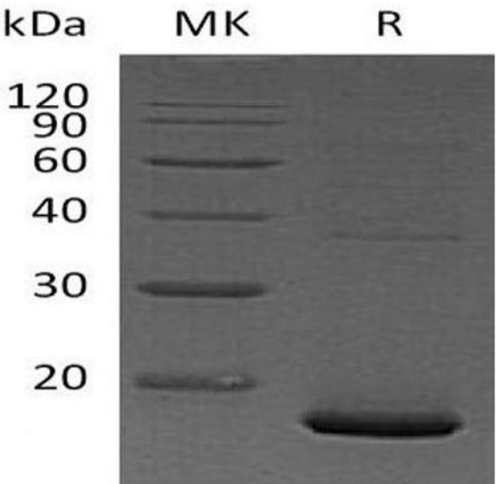
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.