

Pleiotrophin/PTN/HARP/HBGF-8/OSF-1, Human, Recombinant

Cat. No. : PCK297

General Information

Synonyms	PTN;Heparin Affin Regulatory Protein (HARP);Heparin-Binding Growth Factor-8 (HBGF-8); Osteoblast-Specif_x005f_x0002_ic Factor 1 (OSF-1)
Species	Human
Expression host	E.coli
Sequence	MGKKEKPEKKVKKSDCGEWQWSVCVPTSGDCGLGTREGTRTGAECKQTMKTQRCKIPCNWK KQFGAECKYQFQAWGECDLNTALKTRTGSLKRALHNAECQKTVTISKPCGKLTKPKPQAESKK KKKEGKKQEKMLD with polyhistidine tag at the C-terminus.
Accession	P21246.1
Tag	His-tag at the C-terminus
Mol mass	19.89 kDa
Expiration date	12 months

Product feature

Purity	> 98% as determined by SDS-PAGE. Ni-NTA chromatography
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
Shipping	Ice bag
Formulation	The protein was lyophilized from a 0.2 μm filtered solution containing 1 × PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Background

Pleiotrophin (PTN) also known HBBM, HBGF-8, NEGF1, HARP or HB-GAM is a protein that in humans is encoded by the PTN gene. This protein is expressed in the central and peripheral nervous system and also in several non-neural tissues, notably lung, kidney, gut and bone. Pleiotrophin binds anaplastic lymphoma kinase (ALK) which induces MAPK pathway activation, an important step in the anti-apoptotic signaling of PTN and regulation of cell proliferation.

SDS-PAGE

