

RMCH142

Recombinant Pleiotrophin, Human , AF



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 5ug;20ug;100ug;500ug;**Synonym/Alternative name(s):**

PTN, Heparin Affin Regulatory Protein (HARP), Heparin-Binding Growth Factor-8 (HBGF-8), Osteoblast-Specif_x0002_ic Factor 1 (OSF-1)

Activity : N/A**Protein Description:**

Pleiotrophin (PTN) also known HBBM, HBGF-8, NEG1, 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.

Protein Accession : P21246.1**Gene ID :** 5764**Expression Sequence:**

MGKKEKPEKKVKKSDCGEWQWSVCVPTSGDCGLGTREGTRTGAECKQTMKTQRCKIPCNWKKQFGAECKYQFQAWGECDLNTAL KTRTGSLKRALHNAECQKTVTISKPCGKLTPKPKQAESKSKKKEGKKQEKMLD with polyhistidine tag at the C-terminus.

Fusion tag : His-tag?at?the?C-terminus**Species :** Human**Reactivity :** Human**Expression Host :** Escherichia coli**Source :** E. coli**Purity/method:**

>98% as determined by SDS-PAGE. Ni-NTA chromatography

Endotoxin level:

<0.01 EU per 1 µg of the protein by the LAL method.

Calculated Molecular Weight : 19.89 kDa**Formulation:**

The protein was lyophilized from a solution containing 1X PBS, pH 7.4.

Reconstitution:

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping : Blue Ice**Stability and Storage:**

Lyophilized protein should be stored at -20°C for 1 year.

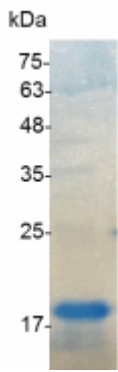
Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

Category : Cytokines

Application : Cell culture, Elisa

Image:



SDS- PAGE analysis of recombinant human Pleiotrophin