

Recombinant Human PTN protein, His-tagged

Cat. No. PTN-439H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTN (P21246) aa. (Gly33~Asp168) fused with His tag was produced in HEK293F cells.
Species	Human
Source	HEK293
ProteinLength	Gly33~Asp168
Description	The protein encoded by this gene is a secreted heparin-binding growth factor. The protein has significant roles in cell growth and survival, cell migration, angiogenesis and tumorigenesis. Alternative splicing and the use of alternative promoters results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 16.7kDa; Accurate Molecular Mass: 17kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%
Characteristic	Isoelectric point is 9.6.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	SDS-PAGE; WB; ELISA; IP; CoIP; EMSA; Reporter Assays; Purification; Amine Reactive Labeling
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200ug/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex

GENE INFORMATION

Gene Name	PTN pleiotrophin [Homo sapiens (human)]
Official Symbol	PTN
Synonyms	PTN; pleiotrophin; HARP; HBBM; HBNF; HBGF8; NEGF1; OSF-1; HB-GAM; HBGF-8; HBNF-1; heparin affin regulatory protein; heparin-binding brain mitogen; heparin-binding growth factor 8; heparin-binding growth-associated molecule; heparin-binding neurite outgrowth promoting factor; heparin-binding neurite outgrowth-promoting factor 1; osteoblast-specific factor 1; pleiotrophin (heparin binding growth factor 8, neurite growth-promoting factor 1)

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Gene ID	5764
mRNA Refseq	NM_001321386.2
Protein Refseq	NP_001308315.1
UniProt ID	P21246
SDS-PAGE	