

ARG70456

Human Pleiotrophin recombinant protein (His-tagged, C-ter)

Package: 100 µg, 20 µg

Store at: -20°C

Summary

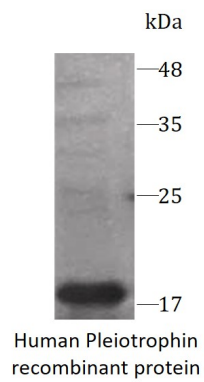
Product Description	E. coli expressed, His-tagged (C-ter) Human PTN recombinant protein
Tested Application	SDS-PAGE
Target Name	PTN
Species	Human
A.A. Sequence	Gly33 - Asp168
Expression System	E. coli
Alternate Names	PTN; Pleiotrophin; HBNF; HBGF8; NEGF1; Heparin-Binding Neurite Outgrowth-Promoting Factor 1; Heparin-Binding Growth-Associated Molecule; Heparin-Binding Growth Factor 8; Heparin-Binding Brain Mitogen; Osteoblast-Specific Factor 1; HB-GAM; HBGF-8; HBNF-1; OSF-1; HBBM

Properties

Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	PTN
Gene Full Name	Pleiotrophin
Background	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.
Function	Binds PTPRZ1, leading to neutralization of the negative charges of the CS chains of PTPRZ1, inducing PTPRZ1 clustering, thereby causing the dimerization and inactivation of its phosphatase activity leading to increased tyrosine phosphorylation of each of the PTPRZ1 substrates like ALK, CTNNB1 or AFAP1L2 in order to activate the PI3K-AKT pathway.
PTM	Disulfide bond
Cellular Localization	Secreted



ARG70456 Human Pleiotrophin recombinant protein (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70456 Human Pleiotrophin recombinant protein (His-tagged, C-ter)