

Active Recombinant Human PTN protein

Cat. No. PTN-0304H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human PTN protein(NP_002816.1)(Met1-Asp168) was expressed in Insect Cells. |
| Species | Human |
| Source | Insect Cells |
| ProteinLength | 1-168 a.a. |
| Form | Lyophilized from sterile 20mM Tris, 1M NaCl, pH 8.0Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA. |
| Bio-activity | Measured by its binding ability in a functional ELISA. Immobilized human PTN at 10 µg/ml (100 µl/well) can bind rat SDC1-Fc, The EC50 of rat SDC1-Fc is 0.35-0.81 µg/ml. |
| Molecular Mass | The recombinant human PTN consists of 136 amino acids and predicts a molecular mass of 15.3 KDa. It migrates as an approximately 19 KDa band in SDS-PAGE under reducing conditions. |
| Proteinlength | Met1-Asp168 |
| Endotoxin | < 1.0 EU per µg of the protein as determined by the LAL method |

 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

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| Purity | > 90 % as determined by SDS-PAGE |
| Storage | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| Reconstitution | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents. |

GENE INFORMATION

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| Gene Name | PTN pleiotrophin [Homo sapiens] |
| Official Symbol | PTN |
| Synonyms | PTN; pleiotrophin; NEGF1, neurite growth promoting factor 1; HBGF8; HBNF; heparin binding growth factor 8; HBBM; OSF-1; HB-GAM; HBGF-8; HBNF-1; osteoblast-specific factor 1; heparin-binding brain mitogen; heparin-binding growth factor 8; heparin affin regulatory protein; neurite growth-promoting factor 1; heparin-binding growth-associated molecule; heparin-binding neurite outgrowth-promoting factor 1; pleiotrophin (heparin binding growth factor 8, neurite growth-promoting factor 1); HARP; NEGF1; |
| Gene ID | 5764 |
| mRNA Refseq | NM_002825 |
| Protein Refseq | NP_002816 |
| MIM | 162095 |

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UniProt ID

P21246

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