

Active Recombinant Human PTPN1 protein, His-tagged

Cat. No. PTPN1-221H Lot. No. (See product label)

SPECIFICATION

| | |
|-------------------------|--|
| Product Overview | Recombinant Human PTPN1 protein(NP_002818.1)(Glu2-Asn321), fused with His tag, was expressed in E. coli. |
| Species | Human |
| Source | E.coli |
| ProteinLength | Glu2-Asn321 |
| Form | Supplied as sterile PBS, pH 7.4Please contact us for any concerns or special requirements.Please refer to the specific buffer information in the hard copy of CoA. |
| Bio-activity | Measured by its ability to dephosphorylate a phosphotyrosine residue in an EGF receptor (aa988-998) phosphopeptide substrate, R&D Systems.The specific activity is > 15 nmoles/min/μg. |
| Molecular Mass | The recombinant human PTPN1 consisting of 327 amino acids and has a calculated molecular mass of 38.1 kDa. |
| Purity | > 95 % 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. |

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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

Gene Name PTPN1 protein tyrosine phosphatase, non-receptor type 1 [Homo sapiens]

Official Symbol PTPN1

Synonyms PTPN1; protein tyrosine phosphatase, non-receptor type 1; PTP1B; tyrosine-protein phosphatase non-receptor type 1; protein tyrosine phosphatase 1B; protein-tyrosine phosphatase 1B; protein tyrosine phosphatase, placental;

Gene ID 5770

mRNA Refseq NM_002827

Protein Refseq NP_002818

MIM 176885

UniProt ID P18031

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