

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]
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Official Symbol	PTPN1
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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
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mRNA Refseq	NM_002827
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Protein Refseq	NP_002818
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MIM	176885
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UniProt ID	P18031
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