Recombinant Human PTPN14 protein, GST-tagged

Cat. No. PTPN14-455H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTPN14 protein(NP_005392)(1-351 aa), fused to GST tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-351 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.
AA Sequence	MPFGLKLRRTRRYNVLSKNCFVTRIRLLDSNVIECTLSVESTGQECLEAVAQRLELRE THYFGLWFLSKSQQARWVELEKPLKKHLDKFANEPLLFFGVMFYVPNVSWLQQEAT RYQYYLQVKKDVLEGRLRCTLDQVIRLAGLAVQADFGDYNQFDSQDFLREYVLFPM DLALEEAVLEELTQKVAQEHKAHSGILPAEAELMYINEVERLDGFGQEIFPVKDNHG NCVHLGIFFMGIFVRNRIGRQAVIYRWNDMGNITHNKSTILVELINKEETALFHTDDIE NAKYISRLFATRHKFYKQNKICTEQSNSPPPIRRQPTWSRSSLPRQQPYILPPVHVQ CGEHYSET
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer

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	containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 g/µl in 200 µl sterile water for short-term storage. Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

GENE INFORMATION

Gene Name	PTPN14 protein tyrosine phosphatase, non-receptor type 14 [Homo sapiens]
Official Symbol	PTPN14
Synonyms	PTPN14; protein tyrosine phosphatase, non-receptor type 14; tyrosine-protein phosphatase non-receptor type 14; PEZ; protein-tyrosine phosphatase pez; cytoskeletal-associated protein tyrosine phosphatase; PTP36; MGC126803;
Gene ID	5784
mRNA Refseq	NM_005401
Protein Refseq	NP_005392
MIM	603155
UniProt ID	Q15678

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SDS-PAGE	

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