

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 Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.
AA Sequence	MPFGLKLRRTRRYNVLSKNCFVTRIRLLDSNVIECTLSVESTGQECLEAVAQRLELRE THYFGLWFLSKSQARWVELEKPLKKHLDKFANEPLFFGVMFYVPNVSWLQQEAT RYQYYLQVKKDVLEGRRLRCTLQVIRLAGLAVQADFGDYNQFDSQDFLREYVLFPM DLALEEAVLEELTQKVAQEHAHSGILPAEAEALMYINEVERLDGFGQEIFPVKDNHG 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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