

Recombinant Human PTPN14, GST-tagged

Cat. No. PTPN14-454H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Catalytic domain, (a.a. 817-1188), with N-terminal GST tag expressed in an <i>E.coli</i> expression system. MW= 61 kDa.
Species	Human
Source	<i>E.coli</i>
Protein Length	817-1188 a.a.
Description	Tyrosine-protein phosphatase non-receptor type 14 is an enzyme that in humans is encoded by the PTPN14 gene. The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP contains an N-terminal noncatalytic domain similar to that of band 4.1 superfamily cytoskeleton-associated proteins, which suggested the membrane or cytoskeleton localization of this protein. The specific function of this PTP has not yet been determined.
Purity	>90% by SDS-PAGE.
Application	Useful for the study of enzyme kinetics, regulation, to dephosphorylate target substrates and for screening inhibitors.
Formulated In	25 mM Tris-HCl, pH 8.0, 100 mM NaCl, 0.05% Tween-20, 50% glycerol, 2 mM EDTA, 1 mM DTT, 10 mM glutathione.

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Stability >12 months at –80°C.

GENE INFORMATION

Gene Name [PTPN14 protein tyrosine phosphatase, non-receptor type 14 \[Homo sapiens \]](#)

Synonyms PTPN14; protein tyrosine phosphatase, non-receptor type 14; PEZ; PTP36; MGC126803; cytoskeletal-associated protein tyrosine phosphatase; EC 3.1.3.48; Tyrosine-protein phosphatase non-receptor type 14; Protein-tyrosine phosphatase pez

Gene ID [5784](#)

mRNA Refseq [NM_005401](#)

Protein Refseq [NP_005392](#)

MIM [603155](#)

UniProt ID [Q15678](#)

Chromosome Location 1q32.2

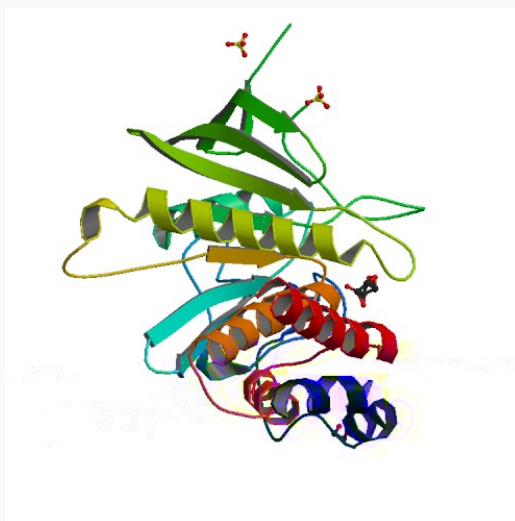
Function binding; hydrolase activity; protein tyrosine phosphatase activity

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PDB rendering based
on 2bzl.



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