

Recombinant Human PTPN14 protein, His & GST-tagged

Cat. No. PTPN14-1676H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTPN14 aa. (Met1~Glu189 (Accession # Q15678)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Glu189
Description	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. It appears to regulate lymphatic development in mammals, and a loss of function mutation has been found in a kindred with a lymphedema-choanal atresia.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 52.3kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.
Isoelectric Point	5.8

GENE INFORMATION

Gene Name	PTPN14 protein tyrosine phosphatase, non-receptor type 14 [Homo sapiens (human)]
Official Symbol	PTPN14
Synonyms	PTPN14; protein tyrosine phosphatase, non-receptor type 14; PEZ; PTP36; tyrosine-protein phosphatase non-receptor type 14; cytoskeletal-associated protein tyrosine phosphatase; protein-tyrosine phosphatase pez
Gene ID	5784
mRNA Refseq	NM_005401.4

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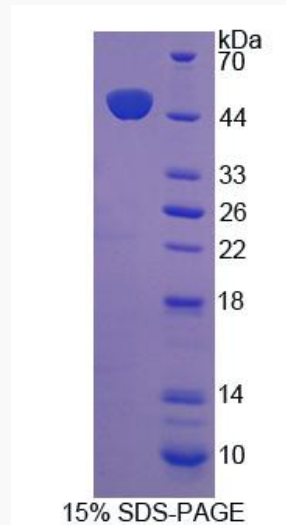
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Protein Refseq NP_005392.2

UniProt ID Q15678

SDS-PAGE



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