

Datasheet for ABIN7563944

## PTPN14 Protein (AA 1-1189) (His tag)



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### Overview

Quantity:	1 mg
Target:	PTPN14
Protein Characteristics:	AA 1-1189
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTPN14 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Purpose:	Custom-made recombinat Ptpn14 Protein expressed in mammalian cells.
Sequence:	<p>MPFGLKLRRTRRYNVLSKNC FVTRIRLLDS NVIECTLSVE STGQECLEAV AQRLELRETH</p> <p>YFGLWFLSKS QQARWVELEK PLKKHLDKFA NEPLFFGVM FYVPNVSRQLQ QEATRYQYYL</p> <p>QVKKDVLEGR LRCSLEQVIR LAGLAVQADF GDYNQFDSQE FLREYVLFPM DLAMEEAALE</p> <p>ELTQKVAQEH KAHSGILPAE AELMYINEVE RLDGFGQEIF PVKDSHGNSV HLGIFFMGIF</p> <p>VRNRVGRQAV IYRWNDIGSV THSKAAILLE LIDKEETALF HTDDIENAKY ISRLFTTRHK</p> <p>FYKQNKICTE QSNSPPPIRR QPTWSRSLP RQQPYILPPM HVQCSEHYSE THTSQDSIFP</p> <p>GNEEALYCRS HNSLDLNYLN GTVTNGSVCS VHSVNSLSCS QSFIQASPVS SNLSIPGSDI</p> <p>MRADYIPSHR HSTIIVPSYR PTPDYETVMR QMKRGLMHAD SQSRSLRNLN IINTHAYNQP</p> <p>EELVYSQPEM RERHPYTPY AHQGCYGHKL VSPSDQMNQ NCAMPIKPGA SSISHTVSTP</p> <p>ELANMQLQGA QHYSTAHMLK NYLFRPPPPY PRPRPATSTP DLASHRHKYV SGSSPDLVTR</p> <p>KVQLSVKTFQ EDSSPVVHQS LQEVSEPLTA TKHHGGGGGT VNKRHSLEVM NSMVRGMEAM</p>

TLKSLNIPMA RRNTLREQGP SEETGGHEVH GLPQYHHKKT FSDATMLIHS SESEEEEEETL  
EAAPQVPVLR EKVEYSAQLQ AALARIPNRP PPEYGPGRKS VSNGALRQDQ GTPLPAMARC  
RVLRHGPSKA LSVSRAEQLA VNGASLGPSI SEPDLTSVKE RVKKEPVKER PVSEMFSLD  
SIIEREMMIR NLEKQKMTGP QAQKRPLMLA ALNGLSVARV SGREDGHHDA TRVPIDERLR  
ALKKKLEDGM VFTEYEQIPN KKANGVFSTA TLPENAERSR IREVVPEEN RVELIPTKEN  
NTGYINASHI KVVVGSEWH YIATQGGLPH TCHDFWQMVW EQGVNVIAMV TAEEEGGRTK  
SHRYWPKLGS KHSSATYGKF KVTTKFRTDS GCYATTGLKV KHLLSGQERT VWHLQYTDWP  
HHGCPEDVQG FLSYLEEIQS VRRHTNSVLE GIRTRHPPIV VHCSAGVGRT GVVILSELM  
YCLEHNEKVE VPTMLRFLRE QRMFMIQTIA QYKFVYQVLV QFLQNSRLI **Sequence without tag.**

**The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

PTPN14

Alternative Name:

Ptpn14 ([PTPN14 Products](#))

Background:

Tyrosine-protein phosphatase non-receptor type 14 (EC 3.1.3.48) (Protein-tyrosine phosphatase

## Target Details

PTP36),FUNCTION: Protein tyrosine phosphatase which may play a role in the regulation of lymphangiogenesis, cell-cell adhesion, cell-matrix adhesion, cell migration, cell growth and also regulates TGF-beta gene expression, thereby modulating epithelial-mesenchymal transition. Mediates beta-catenin dephosphorylation at adhesion junctions. Acts as a negative regulator of the oncogenic property of YAP, a downstream target of the hippo pathway, in a cell density-dependent manner. May function as a tumor suppressor. {ECO:0000269|PubMed:20826270}.

Molecular Weight: 135.0 kDa

UniProt: [Q62130](#)

## Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months