

Datasheet for ABIN7555093
PTPN14 Protein (AA 1-1187) (His tag)



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Overview

Quantity:	1 mg
Target:	PTPN14
Protein Characteristics:	AA 1-1187
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTPN14 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PTPN14 Protein expressed in mammalian cells.
Sequence:	<p>MPFGLKLRRT RRYNVLSKNC FVTRIRLLDS NVIECTLSVE STGQECLEAV AQRLELRETH YFGLWFLSKS QQARWVELEK PLKKHLDKFA NEPLFFGVM FYVPNVSWLQ QEATRYQYYL QVKKDVLEGR LRCTLDQVIR LAGLAVQADF GDYNQFDSQD FLREYVLFPM DLALEEAVLE ELTQKVAQEH KAHSGILPAE AELMYINEVE RLDGFGQEIF PVKDNHGNCV HLGIFFMGIF VRNRIGRQAV IYRWNDMGNI THNKSTILVE LINKEETALF HTDDIENAKY ISRLFATRHK FYKQNKICTE QSNSPPPIRR QPTWSRSSLP RQQPYILPPV HVQCGEHYSE THTSQDSIFH GNEEALYCNS HNSLDLNYLN GTVTNGSVCS VHSVNSLNCNS QSFIQASPVSNLSIPGSDI MRADYIPSHR HSAIVPSYR PTPDYETVMR QMKRGILHTD SQSQSLRNLN IINTHAYNQP EDLVYSQPEM RERHPYTPY GPQGVYSNKL VSPSDQRNPK NNVVPSKPGA SAISHTVSTP ELANMQLQGS HNYSTAHMLK NYLFRPPPPY PRPRPATSTP DLASHRHKYV SGSSPDLVTR KVQLSVKTFQ EDSSPVVHQS LQEVSEPLTA TKHHGTVNKR HSLEVMNSMV RGMEAMTLKS LHLPMARRNT LREQGPPEEG SGSHEVPQLP QYHHKKTFS D ATMLIHSSSES EEEEEAPES</p>

Product Details

VPQIPMLREK MEYSAQLQAA LARIPNKPPP EYPGPRKSVS NGALRQDQAS LPPAMARARV
LRHGPAKAIS MSRTDPPAVN GASLGPSISE PDLTSVKERV KKEPVKERPV SEMFSLEDSI
IEREMMIRNL EKQKMAGLEA QKRPLMLAAL NGLSVARVSG REENRVDATR VPMDERFRTL
KKKLEEGMVF TEYEQIPKKK ANGIFSTAAL PENAERSRIR EVVPYEENRV ELIPTKENNT
GYINASHIKV VVGGAEWHYI ATQGPLPHTC HDFWQMVWEQ GVNVIAMVTA EEEGGRTKSH
RYWPKLGSKH SSATYGKFKV TTKFRTD SVC YATTGLKVKH LLSGQERTVW HLQYTDWPDH
GCPEDVQGFL SYLEEIQSVR RHTNSMLEGT KNRHPPIVVH CSAGVGRTGV LILSELMIYC
LEHNEKVEVP MMLRLLREQR MFMIQTIAQY KFDYQVLIQF LQNSRLI **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.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: PTPN14

Alternative Name: PTPN14 ([PTPN14 Products](#))

Target Details

Background: Tyrosine-protein phosphatase non-receptor type 14 (EC 3.1.3.48) (Protein-tyrosine phosphatase pez),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:10934049, ECO:0000269|PubMed:12808048, ECO:0000269|PubMed:17893246, ECO:0000269|PubMed:20826270, ECO:0000269|PubMed:22233626, ECO:0000269|PubMed:22525271, ECO:0000269|PubMed:22948661}.

Molecular Weight: 135.3 kDa

UniProt: [Q15678](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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