

Datasheet for ABIN7551083
PTPN12 Protein (AA 1-780) (His tag)



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Overview

Quantity:	1 mg
Target:	PTPN12
Protein Characteristics:	AA 1-780
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTPN12 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat PTPN12 Protein expressed in mammalien cells.
Sequence:	MEQVEILRKF IQRVQAMKSP DHNGEDNFAR DFMRLRRLST KYRTEKIYPT ATGEKEENVK KNRYKDILPF DHSRVKLTlk TPSQDSYIN ANFIKGVYGP KAYVATQGPL ANTVIDFWRM IWEYNVVIIV MACREFEMGR KKCERYWPLY GEDPITFAPF KISCEDeqAR TDYFIRTLlL EFQNESRRly QFHVYNWPDH DVPSSFDSIL DMISLMRKYQ EHEDVPICIH CSAGCGRTGA ICAIDYTWNl LKAGKIPEEF NVFNLIQEMR TQRHSAVQTK EQYELVHRAI AQLFEKQLQL YEIHGAQKIA DGVNEINTEN MVSSIEPEKQ DsppPKPPRT RSCLVEGDAK EEILQPPEPH PVPPILTPSP PSAFPTVTTV WQDNDRYHPK PVLHMSVSEQ HSADLNRNYS KSTELPGKNE STIEQIDKKL ERNLSFEIKK VPLQEGPKSF DGNTLLNRGH AIKIKSASPC IADKISKPQE LSSDLNVGDT SQNSCVDCSV TQSNKVSVTP PEESQNSDTP PRPDRlPLDE KGHVTWSFHG PENAIPIPDl SEGNSSDINy QTRKTVSLTP SPTTQVETPD LVDHDNTSPL FRTPLSFTNP LHSDSDSDE RNSDGAVTQN KTNISTASAT VSAATSTESI STRKVLPMsI ARHNIAGTTH

SGAEKDVDVS EDSPPPLPER TPESFVLASE HNTPVRSSEWS ELQSQRSEQ KKSEGLITSE
NEKCDHPAGG IHYEMCIECP PTFSDKREQL SENPTEATDI GFGNRCGKPK GPRDPPSEWT

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:

PTPN12

Alternative Name:

PTPN12 ([PTPN12 Products](#))

Background:

Tyrosine-protein phosphatase non-receptor type 12 (EC 3.1.3.48) (PTP-PEST) (Protein-tyrosine phosphatase G1) (PTPG1),FUNCTION: Dephosphorylates a range of proteins, and thereby regulates cellular signaling cascades (PubMed:18559503). Dephosphorylates cellular tyrosine kinases, such as ERBB2 and PTK2B/PYK2, and thereby regulates signaling via ERBB2 and PTK2B/PYK2 (PubMed:17329398, PubMed:27134172). Selectively dephosphorylates ERBB2 phosphorylated at 'Tyr-1112', 'Tyr-1196', and/or 'Tyr-1248' (PubMed:27134172). {ECO:0000269|PubMed:17329398, ECO:0000269|PubMed:18559503, ECO:0000269|PubMed:27134172}.

Target Details

Molecular Weight: 88.1 kDa

UniProt: [Q05209](#)

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