

Datasheet for ABIN7563191
PTPN12 Protein (AA 1-775) (His tag)



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Overview

Quantity:	1 mg
Target:	PTPN12
Protein Characteristics:	AA 1-775
Origin:	Mouse
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:	MEQVEILRRF IQRVQAMKSP DHNGEDNFAR DFMRLRRLST KYRTEKIYPT ATGEKEENVK KNRYKDILPF DHSRVKLTLLK TPSQSDYIN ANFIKGVYGP KAYVATQGPL ANTVIDFWRM IWEYNVVIIV MACREFEMGR KKCERYWPLY GEDPITFAPF KISCENEQAR TDYFIRLLLL EFQNESRRLY QFHVYNWPDH DVPSSFDSIL DMISLMRKYQ EHEDVPICIH CSAGCGRTGA ICAIQYTWNL LKAGKIPEEF NVFNLIQEMR TQRHSAVQTK EQYELVHRAI AQLFEKQLQL YEIHGAQKIA DGNEITTGTM VSSIDSEKQD SPPP KPPRTR SCLVEGDAKE EILQPPEPHP VPPILTPSPP SAFPTVTTVW QSDRYHPKP VLHMASPEQH PADLNRSDYK SADPMGKSES AIEHIDKKLE RNLSFEIKKV PLQEGPKSFD GNTLLNRGHA IKIKSASSSV VDRTSKPQEL SAGALKVDDV SQNSCADCSA AHSHRAAESS EESQNSHTP PRPDCLPLDK KGHVTWSLHG PENATPVPDS PDGKSPDNHS QTLKTVSSTP NSTAEAAAHD LTEHHNSSPL LKAPLSFTNP LHSDSDSDG GSSDGAVTRN KTSISTASAT VSPASSAESA CTRRVLPMSI ARQEVAGTPH

Product Details

SGAEKDADVS EESPPPLPER TPESFVLADM PVRPEWHELP NQEWSEQRES EGLTTSNGNEK
HDAGGIHTEA SADSPPAFSD KKDQITKSPA EVTDIGFGNR CGKPKGPREP PSEWT **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) (MPTP-PEST) (Protein-tyrosine phosphatase P19) (P19-PTP),FUNCTION: Dephosphorylates a range of proteins, and thereby regulates cellular signaling cascades (PubMed:17070019). Dephosphorylates cellular tyrosine kinases, such as ERBB2 and PTK2B/PYK2, and thereby regulates signaling via ERBB2 and PTK2B/PYK2. Selectively dephosphorylates ERBB2 phosphorylated at 'Tyr-1112', 'Tyr-1196', and/or 'Tyr-1248' (By similarity). {ECO:0000250|UniProtKB:Q05209, ECO:0000269|PubMed:17070019}.

Molecular Weight:

86.5 kDa

Target Details

UniProt: [P35831](#)

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