

Datasheet for ABIN7555094

PTPN23 Protein (AA 1-1636) (His tag)



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Overview

Quantity:	1 mg
Target:	PTPN23
Protein Characteristics:	AA 1-1636
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTPN23 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat PTPN23 Protein expressed in mammalian cells.
Sequence:	MEAVPRMPMI WLDLKEAGDF HFQPAVKKFV LKNYGENPEA YNEELKKLEL LRQNAVRVPR DFEGCSVLRLK YLGQLHYLQS RVPMGSGQEA AVPVTWTEIF SGKSVAHEDI KYEQACILYN LGALHSMGLGA MDKRVSEEGM KVSCTHFQCA AGAFAYLREH FPQAYSVDMS RQILTNNVNL MLGQAQECCLL EKSMLDNRKS FLVARISAQV VDYYKEACRA LENPDASLL GRIQKDWKKL VQMKIYYFAA VAHLHMGKQA EEQQKFGERV AYFQSALDKL NEAIKLAKGQ PDTVQDALRF TMDVIGGKYN SAKKDNDFIY HEAVPALDTL QPVKGAPLVK PLPVNPTDPA VTGPDIFAKL VPMAAHEASS LYSEEKAKLL REMMAKIEDK NEVLDQFMDS MQLDPETVDN LDAYSHIPPO LMEKCAALSV RPDTVRNLVQ SMQVLSGVFT DVEASLKDIR DLLEEDELLE QKFQEAVGQA GAISITSKAE LAEVRREWAK YMEVHEKASF TNSLHRAMN LHVGNLRLLS GPLDQVRAAL PTPALSPEDK AVLQNLKRIL AKVQEMRDQR VSLEQQLREL IQKDDITASL VTDDHSEMKK LFEEQLKKYD QLKVYLEQNL AAQDRVLCAL TEANVQYAAV RRVLSLDLQK WNSTLQTLVA

SYEAYEDLMK KSQEGRDFYA DLESKVAALL ERTQSTCQAR EAARQQLLDR ELKKKPPPRP
TAPKPLLPRR EESEAVEAGD PPEELRSLPP DMVAGPRLPD TFLGSATPLH FPPSPFPSST
GPGPHYLSGP LPPGTYSGPT QLIQPRAPGP HAMPVAPGPA LYPAPAYTPE LGLVPRSSPQ
HGVVSSPYVG VGPAPPVAGL PSAPPPQFSG PELAMAVRPA TTTVDSIQAP IPSHTAPRPN
PTPAPPPPCF PVPPPQPLPT PYTYPAGAKQ PIPAQHFFSS GIPAGFPAPR IGPQPQPHPQ
PHPSQAFGPQ PPQQPLPLQH PHLFPPQAPG LLPPQSPYPY APQPGVLGQP PPPLHTQLYP
GPAQDPLPAH SGALPFPSPG PPQPPHPPLA YGPAPSTRPM GPQAAPLTIR GPSSAGQSTP
SPHLVPSPAP SPGPGPVPPR PPAAEPPPCL RRGAAAADLL SSSPESQHGG TQSPGGGQPL
LQPTKVDAAE GRRPQALRLI ERDPYEHPR LRQLQOELEA FRGQLGDVGA LDTVWRELQD
AQEHDARGRS IAIARCYSLK NRHQDVMPYD SNRVVLRSGK DDYINASCVE GLSPYCPPLV
ATQAPLPGTA ADFWLMVHEQ KVSIVMLVS EAEMEKQKVA RYFPTERGQP MVHGALSLAL
SSVRSTETHV ERVLSLQFRD QSLKRSLVHL HFPTWPGL PDSPSNLLRF IQEVHAHYLH
QRPLHTPIIV HCSSGVGRTG AFALLYAAVQ EVEAGNGIPE LPQLVRRMRQ QQRKMLQEKL
HLRFCYEAVV RHVEQVLQRH GVPPPCKPLA SASISQKNHL PQDSQDLVLG GDVPISSIQA
TIAKLSIRPP GGLESPVASL PGPAEPPGLP PASLPESTPI PSSSPPLSS PLPEAPQKE
EPPVPEAPSS GPPSSSLELL ASLTPEAFSL DSSLRGKQRM SKHNFLQAHN GQGLRATRPS
DDPLSLDPL WTLNKT **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

Product Details

Grade: custom-made

Target Details

Target: PTPN23

Alternative Name: PTPN23 ([PTPN23 Products](#))

Background: Tyrosine-protein phosphatase non-receptor type 23 (EC 3.1.3.48) (His domain-containing protein tyrosine phosphatase) (HD-PTP) (Protein tyrosine phosphatase TD14) (PTP-TD14),FUNCTION: Plays a role in sorting of endocytic ubiquitinated cargos into multivesicular bodies (MVBs) via its interaction with the ESCRT-I complex (endosomal sorting complex required for transport I), and possibly also other ESCRT complexes (PubMed:18434552, PubMed:21757351). May act as a negative regulator of Ras-mediated mitogenic activity (PubMed:18434552). Plays a role in ciliogenesis (PubMed:20393563). {ECO:0000269|PubMed:18434552, ECO:0000269|PubMed:20393563, ECO:0000269|PubMed:21757351}.

Molecular Weight: 179.0 kDa

UniProt: [Q9H3S7](#)

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