

Datasheet for ABIN7554659
PPP1R12A Protein (AA 1-1030) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PPP1R12A
Protein Characteristics:	AA 1-1030
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPP1R12A protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PPP1R12A Protein expressed in mammalian cells.
Sequence:	MKMADAKQKR NEQLKRWIGS ETDLEPPVVK RQKTKVKFDD GAVFLAACSS GDTDEVLLKLL HRGADINYAN VDGLTALHQA CIDDNVDMMV FLVENGANIN QPDNEGWIPL HAAASCGYLD IAEFLIGQGA HVGAVNSEGD TPLDIAEEEE MEELLQNEVN RQGV DIEAAR KEEERIMLRD ARQWLNSGHI NDVRHAKSGG TALHVAAAKG YTEVLKLLIQ AGYDVNIKDY DGWTPHAAAA HWGKEEACRI LVDNLCMEM VNKVGQTA FD VADEDILGYL EELQKKQNLL HSEKRDKKSP LIESTANMDN NQSQKTFKNK ETLIEPEKN ASRIESLEQE KVDEEEEGKK DESSCSSEED EEDDSESEAE TDKTKPLASV TNANTSSTQA APVAVTTPTV SSGQATPTSP IKKFPTTATK ISPKEERKD ESPATWRLGL RKTGSYGALA EITASKEGQK EKDTAGVTRS ASSPRLSSSL DNKEKEKDSK GTRLAYVAPT IPRRLASTSD IEEKENRDSS SLRTSSSYTR RKWEDDLKKN SSVNEGSTYH KSCSFGRRQD DLISSVPST TSTPTVTSAA GLQKSLLSST STTTKITGGS SSAGTQSSTS NRLWAEDSTE KEKDSVPTAV TIPVAPTVVN AAATTTTLTT TTAGTVSSTT EVRERRRSYL TPVRDEESES QRKARSRQAR QSRRSTQGVT LTDLQEA EKT IGRSRSTRTR

Product Details

EQENEEKEKE EKEKQDKEKQ EEKKESETSR EDEYKQKYSR TYDETYQRYR PVSTSSSTTP
SSSLSTMSSS LYASSQLNRP NSLVGITSAY SRGITKENER EGEKREEEKE GEDKSQPKSI
RERRRPREKR RSTGVSWFTQ DSDENEQEQQ SDTEEGSNKK ETQTDSISRY ETSSTSAGDR
YDSSLGRSGS YSYLEERKPY SSRLEKDDST DFKKLYEQIL AENEKKAQL HDTNMELTDL
KLQLEKATQR QERFADRSLL EMEKRERRAL ERRISEMEEE LKMLPDLKAD NQRLKDENGA
LIRVISKLSK **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: PPP1R12A

Alternative Name: PPP1R12A ([PPP1R12A Products](#))

Background: Protein phosphatase 1 regulatory subunit 12A (Myosin phosphatase-targeting subunit 1) (Myosin phosphatase target subunit 1) (Protein phosphatase myosin-binding subunit),FUNCTION: Key regulator of protein phosphatase 1C (PPP1C). Mediates binding to

Target Details

myosin. As part of the PPP1C complex, involved in dephosphorylation of PLK1. Capable of inhibiting HIF1AN-dependent suppression of HIF1A activity. {ECO:0000269|PubMed:18477460, ECO:0000269|PubMed:19245366, ECO:0000269|PubMed:20354225}.

Molecular Weight: 115.3 kDa

UniProt: [O14974](#)

Pathways: [M Phase](#)

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