

Datasheet for ABIN7565008  
**PPP1R12A Protein (AA 1-1029) (His tag)**



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## Overview

Quantity:	1 mg
Target:	PPP1R12A
Protein Characteristics:	AA 1-1029
Origin:	Mouse
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 GDTDEVLKLL HRGADINYAN VDGLTALHQA CIDDNVDMMVK FLVENGANIN QPDNEGWIPL HAAASCGYLD IAEFLIGQGA HVGAVNSEGD TPLDIAEEEE MEELLQNEVN RQGV DIEAAR KEEERVMLRD ARQWLNSGHI SDVRHAKSGG TALHVAAAKG YTEVLKLLIQ AGYDVNIKDY DGWTPHAAA HWGKEEACRI LVDNLCMET VNKVGQTA FD VADEDILGYL EELQKKQTLL HSEKRDKKSP LIESTANMEN NQPQKAFKNK ETLIEPEKN ASRIESLEHE KADEEEEGKK DESSCSSEED EEDDSESEAE TDKTKPMASV SNAHTSSTQA APAAVTAPTL SSNQGTPPTSP VKKFPSTTK ISPKEERKD ESPASWRLGL RKTGSYGALA EISASKEAQK EKDTAGVMRS ASSPRLSSSL DNKEKEKDNK GTRLAYVTPT IPRLASTSD IEEKENRESS SLRTSSSYTR RKWEDDLKKN SSINEGSTYH RSCSFGRRQD DLISCSVPST TSTPTVTSAA GLQRS LPSST STA AKTPPGS SSAGTQSSTS NRLWAEDSTE KEKDSAPTAV TIPVAPTVVN AAPSTTTTLT TTTAGTVSEV RERRRSYLTP VRDEESESQR KARSRQARQS RRSTQGVTLT DLQEA EKTIG RSRSTRTREQ

## Product Details

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ENEKEKEEEK EKQDKEKQEE KKESEASRED EYKQKYSRTY DETYTRYRPV STSSSSAPSS  
SSLSTLGSTL YASSQLNRPN SLVGITSAYS RGLAKENERE GEKKEEEEKEG EDKSQPKSIR  
ERRRPREKRR STGVSFWTQD SDENEQERQS DTEDGSSKRE TQTDVSRDY SSSTSSSDRY  
DSLLGRSASY SYLEDRKPYS SRLEKDDSTD FKKLYEQILA ENEKLKAQLH DTNMELTDLK  
LQLEKATQRQ ERFADRSQLE MEKRERRALE RRISEMEEEL KMLPDLKADN QRLKDENGAL  
IRVISKLSK **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

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Target: PPP1R12A

Alternative Name: Ppp1r12a ([PPP1R12A Products](#))

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

## Target Details

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dephosphorylation of PLK1. Capable of inhibiting HIF1AN-dependent suppression of HIF1A activity (By similarity). {ECO:0000250|UniProtKB:O14974, ECO:0000250|UniProtKB:Q10728}.

Molecular Weight: 115.0 kDa

UniProt: [Q9DBR7](#)

Pathways: [M Phase](#)

## Application Details

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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

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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