

Datasheet for ABIN7558209

PPP1R3C Protein (AA 1-317) (His tag)



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Overview

Quantity:	1 mg
Target:	PPP1R3C
Protein Characteristics:	AA 1-317
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPP1R3C protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Ppp1r3c Protein expressed in mammalian cells.
Sequence:	<p>MSCTRMHVL DPRPLTSSVM PVDMAIRICL AHSPPLKSFL GPYNGFQRRN FVNKLKPLKP</p> <p>CLSVKQEAQS QSEWKSPHNQ AKKRNVFADS KGLSLTAIHV FSDLPEEPAW DLQFDLLDLN</p> <p>DISSSLKLHE EKNLVDFDPQ PSTDYLSFRD RFQKNFVCLE NCSLQDRTVT GTVKVKNVSF</p> <p>EKKVQVRITF DTWKTYTDVD CVYMKNVYSS SDSDTFSFAI DLPRVIPTEE KIEFCISYHA</p> <p>NGRIFWDNNE GQNYRIVHVQ WKPDGVQTQV APKDCAFQQG PPKTEIEPTV FGSPRLASGL</p> <p>FPEWQSWGRV ENLTSYR 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.</p>
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:

Product Details

- 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:	PPP1R3C
Alternative Name:	Ppp1r3c (PPP1R3C Products)
Background:	<p>Protein phosphatase 1 regulatory subunit 3C (Protein phosphatase 1 regulatory subunit 5) (PP1 subunit R5) (Protein targeting to glycogen) (PTG),FUNCTION: Acts as a glycogen-targeting subunit for PP1 and regulates its activity. Activates glycogen synthase, reduces glycogen phosphorylase activity and limits glycogen breakdown. Dramatically increases basal and insulin-stimulated glycogen synthesis upon overexpression in a variety of cell types.</p> <p>{ECO:0000269 PubMed:10683377, ECO:0000269 PubMed:10862764, ECO:0000269 PubMed:10998419, ECO:0000269 PubMed:12727934, ECO:0000269 PubMed:12805359, ECO:0000269 PubMed:15322104, ECO:0000269 PubMed:16354703, ECO:0000269 PubMed:9045612, ECO:0000269 PubMed:9242697, ECO:0000269 PubMed:9756875}.</p>
Molecular Weight:	36.5 kDa
UniProt:	Q7TMB3
Pathways:	Cellular Glucan Metabolic Process, Regulation of Carbohydrate Metabolic Process

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