

Datasheet for ABIN7550976

PPP1R3B Protein (AA 1-285) (His tag)



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Overview

Quantity:	1 mg
Target:	PPP1R3B
Protein Characteristics:	AA 1-285
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPP1R3B protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat PPP1R3B Protein expressed in mammalian cells.
Sequence:	<p>MMAVDIEYRY NCMAPSLRQE RFAFKISPKP SKPLRPCIQL SSKNEASGMV APAVQEKKVK</p> <p>KRVSFADNQG LALTMVKVFS EFDDPLDMPF NITELLDNIV SLTTAESESF VLDFSQPSAD</p> <p>YLDFRNRLQA DHVCLENCVL KDKAIAAGTVK VQNLAFEKTV KIRMTFDTWK SYTDFPCQYV</p> <p>KDTYAGSDRD TFSFDISLPE KIQSYERMEF AVYYECNGQT YWDSNRGKNY RIIRAEKST</p> <p>QGMTKPHSGP DLGISFDQFG SPRCSYGLFP EWPSYLGYEK LGPYY 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>

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> Made to order protein - from design to production - by highly experienced protein experts.
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Product Details

- 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:	PPP1R3B
Alternative Name:	PPP1R3B (PPP1R3B Products)
Background:	<p>Protein phosphatase 1 regulatory subunit 3B (Hepatic glycogen-targeting protein phosphatase 1 regulatory subunit GL) (Protein phosphatase 1 regulatory subunit 4) (PP1 subunit R4) (Protein phosphatase 1 subunit GL) (PTG),FUNCTION: Acts as a glycogen-targeting subunit for phosphatase PP1. Facilitates interaction of the PP1 with enzymes of the glycogen metabolism and regulates its activity. Suppresses the rate at which PP1 dephosphorylates (inactivates) glycogen phosphorylase and enhances the rate at which it activates glycogen synthase and therefore limits glycogen breakdown. Its activity is inhibited by PYGL, resulting in inhibition of the glycogen synthase and glycogen phosphorylase phosphatase activities of PP1.</p> <p>Dramatically increases basal and insulin-stimulated glycogen synthesis upon overexpression in hepatocytes (By similarity). {ECO:0000250}.</p>
Molecular Weight:	32.7 kDa
UniProt:	Q86XI6
Pathways:	Cellular Glucan Metabolic Process, Regulation of Carbohydrate Metabolic Process

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.
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Restrictions:	For Research Use only
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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