

Datasheet for ABIN7560270
PPP2R2D Protein (AA 1-453) (His tag)



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Overview

Quantity:	1 mg
Target:	PPP2R2D
Protein Characteristics:	AA 1-453
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPP2R2D protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Ppp2r2d Protein expressed in mammalien cells.
Sequence:	MAGAGGGGCP AGGNDFQWCF SQVKGAVDED VAEADIISTV EFNYSGDLLA TGDKGGRVVI FQREQENKGR AHSRGEYNVY STFQSHEPEF DYLSKSLEIEE KINKIRWLPQ QNAAHFLLST NDKTIKLWKI SERDKRAEGY NLKDEDGRLR DPFRITALRV PILKPMDLMV EASPRRIFAN AHTYHINSIS VNSDHETYLS ADDLRINLWH LEITDRSFNI VDIKPANMEE LTEVITAAEF HPHQCNVYVY SSSKGTIRLC DMRSSALCDR HAKFFEEPED PSSRSFFSEI ISSISDVKFS HSGRYMMTRD YLSVKVWDLN MEGRPVETHQ VHEYLRSKLC SLYENDCIFD KFECCWNGSD SAIMTGSYNN FFRMFDRNTR RDVTLEASRE NSKPRASLKP RKVCTGGKRK KDEISVDSL FNKKILHTAW HPMESIIAVA ATNNLYIFQD KIN 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.

Product Details

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

Grade:

custom-made

Target Details

Target:

PPP2R2D

Alternative Name:

Ppp2r2d ([PPP2R2D Products](#))

Background:

Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B delta isoform (PP2A subunit B isoform B55-delta) (PP2A subunit B isoform PR55-delta) (PP2A subunit B isoform R2-delta) (PP2A subunit B isoform delta),FUNCTION: B regulatory subunit of protein phosphatase 2A (PP2A) that plays a key role in cell cycle by controlling mitosis entry and exit. The activity of PP2A complexes containing PPP2R2D (PR55-delta) fluctuate during the cell cycle: the activity is high in interphase and low in mitosis. During mitosis, activity of PP2A is inhibited via interaction with phosphorylated ENSA and ARPP19 inhibitors. Within the PP2A complexes, the B regulatory subunits modulate substrate selectivity and catalytic activity, and may also direct the localization of the catalytic enzyme to a particular subcellular compartment (By similarity). {ECO:0000250}.

Molecular Weight:

52.0 kDa

UniProt:

[Q925E7](#)

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
