

Datasheet for ABIN7551740

PPP2R5C Protein (AA 1-524) (His tag)



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Overview

Quantity:	1 mg
Target:	PPP2R5C
Protein Characteristics:	AA 1-524
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPP2R5C protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PPP2R5C Protein expressed in mammalian cells.
Sequence:	<p>MLTCNKAGSR MVVDAANSNG PFQPVLLHI RDVPPADQEK LFIQKLRQCC VLFDFVSDPL</p> <p>SDLKWKEVKR AALSEMVEYI THNRNVITEP IYPEVVHMFA VNMFR TLPPS SNPTGA EFD P</p> <p>EEDEPTLEAA WPHLQLVYEF FLRFLESPDF QPNI AKKYID QKFVLQ LLEL FDS EDP RERD</p> <p>FLKTT LHRIY GKFLGLRAYI RKQINNIFYR FIYETEHHNG IAE LLEILGS IINGFALPLK EEHKIFLLKV</p> <p>LLPLHKVKSL SVYHPQLAYC VVQFLEKDST LEPVVMALL KYWPKTHSPK EVMFLNELEE</p> <p>ILDVIEPSEF VKIMEPLFRQ LAKCVSSPHF QVAERALYYW NNEYIMSLIS DNA AKILPIM</p> <p>FPSLYRNSKT HWNKTIHGLI YNALKLFMEM NQKLFDDCTQ QFKA EKLKEK LKMKEREEAW</p> <p>VKIENLAKAN PQYTVYSQAS TMSIPVAMET DGPLFEDVQM LRKTVKDEAH QAQKDPKKDR</p> <p>PLARRKSELP QDPHTKKALE AHCR ADELAS QDGR</p> <p>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>

Product Details

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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	PPP2R5C
Alternative Name:	PPP2R5C (PPP2R5C Products)
Background:	<p>Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit gamma isoform (PP2A B subunit isoform B'-gamma) (PP2A B subunit isoform B56-gamma) (PP2A B subunit isoform PR61-gamma) (PP2A B subunit isoform R5-gamma) (Renal carcinoma antigen NY-REN-29),FUNCTION: The B regulatory subunit might modulate substrate selectivity and catalytic activity, and also might direct the localization of the catalytic enzyme to a particular subcellular compartment. The PP2A-PPP2R5C holoenzyme may specifically dephosphorylate and activate TP53 and play a role in DNA damage-induced inhibition of cell proliferation. PP2A-PPP2R5C may also regulate the ERK signaling pathway through ERK dephosphorylation.</p> <p>{ECO:0000269 PubMed:16456541, ECO:0000269 PubMed:17245430}.</p>
Molecular Weight:	61.1 kDa

Target Details

UniProt:	Q13362
Pathways:	PI3K-Akt Signaling

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