

Datasheet for ABIN7563833
CYFIP2 Protein (AA 1-1253) (His tag)



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Overview

Quantity:	1 mg
Target:	CYFIP2
Protein Characteristics:	AA 1-1253
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CYFIP2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Cyfip2 Protein expressed in mammalien cells.
Sequence:	MTTHVTLEDA LSNVDLLEEL PLPDQQPCIE PPPSSIMYQA NFDTNFEDRN AFVTGIARYI EQATVHSSMN EMLEEGHDYA VMLYTWRS CS RAIPQVKCNE QPNRVEIYEK TVEVLEPEVT KLMKFM YFQR KAIFRFCSEV KRLCHAERRK D FVSEAYLLT LGKFINMFAV LDELKNMKCS VKNDHSAYKR AAQFLRK MAD PQSIQESQNL SMFLANHNRI TQCLHQQLEV IPGYEELLAD IVNICVDY YE NKMYLTPSEK HMLLKVMGFG LYLM DGNVSN IYKLD AKKRI NLSKIDKFFK QLQVVPLFGD MQIELARYIK TSAHYEENKS KWTCTQSSIS PQYNICEQMV QIRDDHIRFI SELARYSNSE VVTGSGLD SQ KSDEEYRELF DLALRGLQLL SKWSAHVMEV YSWKLVHPTD KFCNKDCPGT AEEYERATRY NYTSEEKFAF VEVIAMIKGL QVLMGRMESV FNQAIRNTIY AALQDFAQVT LREPLRQAVR KKKNV LISVL QAIRKTICDW EGGREPPNDP CLRGEKDPKG GFDIKVPRRA VGPSSTQLYM VRTMLES LIA DKSGSKKTLR SSLDGPIVLA IEDFHKQSFF FTHLLNISEA LQCCDLSQL WFREFFLELT MGRRIQFPIE MSMPWILTDH ILETKEPSMM

EYVLYPLDLY NDSAYYALTK FKKQFLYDEI EAEVNLCFDQ FVYKLDQIF AYYKAMAGSV
LLDKRFRAEC KNYGVIIIPPY PSNRYETLLK QRHVQLLGRS IDLNRLITQR ISAAMYKSLD
QAISRFESD LTSIVELEWL LEINRLTHRL LCKHMTLDSF DAMFREANHN VSAPYGRITL
HVFWELNFDL LPNYCYNGST NRFVRTAIPF TQEPQRDKPA NVQPYYLYGS KPLNIAYSHI
YSSYRNFVGP PHFKTICRLL GYQGIAVVME ELLKIVKSLQ QGTILQYVKT LIEVMPKICR
LPRHEYGSPG ILEFFHHQLK DIIYAELKT DVFQSLREVG NAILFCLLIE QALSQEEVCD
LLHAAPFQNI LPRVYIKEGE RLEVRMKRLE AKYAPLHLVP LIERLGTPQQ IAIAREGDLL
TKERLCCGLS MFEVILTRIR SYLQDPIWRG PPPTNGVMHV DECVEFHRLW SAMQFVYCIP
VGTNEFTAQEQ CFGDGLNWAG CSIIVLLGQQ RRFDLDFDCY HLLKVQRQDG KDEIKNVPL
KKMADRIRKY QILNNEVFAI LNKYMKSVET DSSTVEHVRC FQPIHQSLA TTC **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.**

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:

CYFIP2

Alternative Name:

Cyfp2 ([CYFIP2 Products](#))

Target Details

Background: Cytoplasmic FMR1-interacting protein 2 (p53-inducible protein 121),FUNCTION: Part of the WAVE1 complex that regulates actin filament reorganization via its interaction with the Arp2/3 complex (By similarity). Involved in T-cell adhesion and p53-dependent induction of apoptosis (By similarity). Does not bind RNA. As component of the WAVE1 complex, required for BDNF-NTRK2 endocytic trafficking and signaling from early endosomes (PubMed:27605705). {ECO:0000250|UniProtKB:Q96F07, ECO:0000269|PubMed:11438699, ECO:0000269|PubMed:27605705}.

Molecular Weight: 145.7 kDa

UniProt: [Q5SQX6](#)

Pathways: [RTK Signaling, Apoptosis, Positive Regulation of Endopeptidase Activity](#)

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