

Datasheet for ABIN7564188
CYFIP1 Protein (AA 1-1253) (His tag)



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Overview

Quantity:	1 mg
Target:	CYFIP1
Protein Characteristics:	AA 1-1253
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CYFIP1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Cyfip1 Protein expressed in mammalien cells.
Sequence:	MAAQVTLEDA LSNVDLLEEL PLPDQQPCIE PPPSSLLYQP NFNTNFEDRN AFVTGIARYI EQATVHSSMN EMLEEGQEYA VMLYTWRS CS RAIPQVKCNE QPNRVEIYEK TVEVLEPEVT KLMNFMFYQR NAIERFCGEV RRLCHAERRK DVFSEAYLIT LGKFINMFAV LDELKNMKCS VKNDHSAYKR AAQFLRK MAD PQSIQESQNL SMFLANHNKI TQSLQQQLEV ISGYEELLAD IVNLCVDYEE NRMYLTPSEK HMLLKVMGFG LYLMDGVS VN IYKLD AKKRI NLSKIDKYFK QLQVVPLFGD MQIELARYIK TSAHYEENKS RWT CASSSSS PQYNICEQMI QIREDHMRFI SELARYSNSE VVTGSGRQEA QKTDAEYRKL FDLALQGLQL LSQWSAHVME VYSWKL VHPT DKYSNKDCPD NAE EYERATR YNYTTEEKFA LVEVIAMIKG LQVLMGRMES VFNHAIRHTV YAALQDFSQV TLREPLRQAI KKKKNVIQSV LQAIRKTVCD WETGHEPFND PALRGEKDPK SGFDIKVPRR AVGPSSTQLY MVRTMLES LI ADKSGSKKTL RSSLEGPTIL DIEKFHRESF FYTHLINFSE TLQQCCDLSQ LWFREFFLEL TMGRRIQFPI EMSMPWILTD HILETKEASM

MEYVLYSLDL YNSAHYALT KFNKQFLYDE IEAEVNLCFD QFVYKLADQI FAYYKVMAGS
LLLDKRLRSE CKNQGATIHLL PPSNRYETLL KQRHVQLLGR SIDLNRLITQ RVSAAMYKSL
ELAIGRFESE DLTSVVELDG LLEINRMTHK LLSRYLTLDS FDAMFREANH NVSAPYGRIT
LHVFWELNYD FLPNYCYNGS TNRFVRTVLP FSQEFQRDKQ PNAQPQYLHG SKALNLAYSS
IYGSYRNFVG PPHFQVICRL LGYQGIAVVM EELLKVVKSL LQGTLQYVK TLMEVMPKIC
RLPRHEYGSP GILEFFHHQL KDIVEYAEK TVCFQNLREV GNAVLFCLLI EQSLSLEEVC
DLLHAAPFQN ILPRIHVKEG ERVDAKMKRL ESKYAPLHLV PLIERLGTPQ QIAIAREGDL
LTKERLCCGL SMFEVILTRI RTFLDDPIWR GPLPSNGVMH VDECVEFHRL WSAMQFVYCI
PVGTHEFTVE QCFGDGLHWA GCMIIVLLGQ QRRFAVLDFC YHLLKVQKHD GKDEIKNVP
LKKMVERIRK FQILNDEIIT ILDKYLKSGD GESTPVEHVR CFQPPHQSL ASS **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:

CYFIP1

Alternative Name:

Cyfp1 ([CYFIP1 Products](#))

Target Details

Background: Cytoplasmic FMR1-interacting protein 1 (Specifically Rac1-associated protein 1) (Sra-1),**FUNCTION:** Component of the CYFIP1-EIF4E-FMR1 complex which binds to the mRNA cap and mediates translational repression. In the CYFIP1-EIF4E-FMR1 complex this subunit is an adapter between EIF4E and FMR1. Promotes the translation repression activity of FMR1 in brain probably by mediating its association with EIF4E and mRNA (By similarity). Regulates formation of membrane ruffles and lamellipodia. Plays a role in axon outgrowth. Binds to F-actin but not to RNA. Part of the WAVE complex that regulates actin filament reorganization via its interaction with the Arp2/3 complex. Actin remodeling activity is regulated by RAC1. Regulator of epithelial morphogenesis. May act as an invasion suppressor in cancers. As component of the WAVE1 complex, required for BDNF-NTRK2 endocytic trafficking and signaling from early endosomes (PubMed:27605705). {ECO:0000250|UniProtKB:Q7L576, ECO:0000269|PubMed:11438699, ECO:0000269|PubMed:14765121, ECO:0000269|PubMed:18805096, ECO:0000269|PubMed:19524508, ECO:0000269|PubMed:27605705}.

Molecular Weight: 145.2 kDa

UniProt: [Q7TMB8](#)

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