Datasheet for ABIN3092004

CYFIP2 Protein (AA 1-1278) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	CYFIP2
Protein Characteristics:	AA 1-1278
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CYFIP2 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	MTTHVTLEDA LSNVDLLEEL PLPDQQPCIE PPPSSIMYQA NFDTNFEDRN AFVTGIARYI EQATVHSSMN EMLEEGHEYA VMLYTWRSCS RAIPQVKCNE QPNRVEIYEK TVEVLEPEVT KLMKFMYFQR KAIERFCSEV KRLCHAERRK DFVSEAYLLT LGKFINMFAV LDELKNMKCS VKNDHSAYKR AAQFLRKMAD PQSIQESQNL SMFLANHNRI TQCLHQQLEV IPGYEELLAD IVNICVDYYE NKMYLTPSEK HMLLKVMGFG LYLMDGNVSN IYKLDAKKRI NLSKIDKFFK QLQVVPLFGD MQIELARYIK TSAHYEENKS KWTCTQSSIS PQYNICEQMV QIRDDHIRFI SELARYSNSE VVTGSGLDSQ KSDEEYRELF DLALRGLQLL SKWSAHVMEV YSWKLVHPTD KFCNKDCPGT AEEYERATRY NYTSEEKFAF VEVIAMIKGL QVLMGRMESV FNQAIRNTIY AALQDFAQVT LREPLRQAVR KKKNVLISVL QAIRKTICDW EGGREPPNDP CLRGEKDPKG GFDIKVPRRA VGPSSTQACQ WSPRALFHPT GGTQGRRGCR SLLYMVRTML ESLIADKSGS KKTLRSSLDG PIVLAIEDFH KQSFFFTHLL NISEALQQCC DLSQLWFREF FLELTMGRRI

QFPIEMSMPW ILTDHILETK EPSMMEYVLY PLDLYNDSAY YALTKFKKQF LYDEIEAEVN LCFDQFVYKL ADQIFAYYKA MAGSVLLDKR FRAECKNYGV IIPYPPSNRY ETLLKQRHVQ LLGRSIDLNR LITQRISAAM YKSLDQAISR FESEDLTSIV ELEWLLEINR LTHRLLCKHM TLDSFDAMFR EANHNVSAPY GRITLHVFWE LNFDFLPNYC YNGSTNRFVR TAIPFTQEPQ RDKPANVQPY YLYGSKPLNI AYSHIYSSYR NFVGPPHFKT ICRLLGYQGI AVVMEELLKI VKSLLQGTIL QYVKTLIEVM PKICRLPRHE YGSPGILEFF HHQLKDIIEY AELKTDVFQS LREVGNAILF CLLIEQALSQ EEVCDLLHAA PFQNILPRVY IKEGERLEVR MKRLEAKYAP LHLVPLIERL GTPQQIAIAR EGDLLTKERL CCGLSMFEVI LTRIRSYLQD PIWRGPPPTN GVMHVDECVE FHRLWSAMQF VYCIPVGTNE FTAEQCFGDG LNWAGCSIIV LLGQQRRFDL FDFCYHLLKV QRQDGKDEII KNVPLKKMAD RIRKYQILNN EVFAILNKYM KSVETDSSTV EHVRCFQPPI HQSLATTC

Sequence without tag. The proposed Strep-Tag is based on experience s 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 in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- 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.

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.

Expression System:

- ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from Nicotiana tabacum c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system -

Product Details

	all that's needed is the DNA that codes for the desired protein! Concentration: • The concentration of our recombinant proteins is measured using the absorbance at 280nm. • The protein's absorbance will be measured against its specific reference buffer. • We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.
Purification:	One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (AliCE®).
Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

Target Details

Target:	CYFIP2
Alternative Name:	CYFIP2 (CYFIP2 Products)
Background:	Cytoplasmic FMR1-interacting protein 2 (p53-inducible protein 121),FUNCTION: Involved in T-cell adhesion and p53/TP53-dependent induction of apoptosis. Does not bind RNA. As component of the WAVE1 complex, required for BDNF-NTRK2 endocytic trafficking and signaling from early endosomes (By similarity). {ECO:0000250|UniProtKB:Q5SQX6, ECO:0000269|PubMed:10449408, ECO:0000269|PubMed:15048733, ECO:0000269|PubMed:17245118}.
Molecular Weight:	148.4 kDa
UniProt:	Q96F07
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.
Comment:	ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from Nicotiana tabacum c.v.. This contains all the protein expression machinery needed to produce

Application Details

	even the most difficult-to-express proteins, including those that require post-translational modifications. During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer. Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol **Might differ depending on protein.**
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months