Datasheet for ABIN3093950

CAZIP Protein (AA 1-1369) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	CAZIP (MTUS2)
Protein Characteristics:	AA 1-1369
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CAZIP protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	MSVPVAPKKS CYTQLRDNRN AARNNNESIL SLGDTNANQI MLEVSSSHDE SKTCDLGDEI GNTNSSEPEN RTHFHKEFHQ LQGFGKGSQA GSASLKDFRL SSTIQRELNE EHTVERGTDS LQTTRSIQGP SLSSWRNVMS EASLDVLAKR DAEIPRHVPK DKLAKTLDNE ELRRHSLERA SSSVAAVGSL TPQHPQPLSL DSREARGQIP GGGEGPQKTL PDHAVPAAFP ATDSTSEGKS VRHPKPSTSE SKQSTPSETQ TVGAHVLQVC SEHTSHSAHP EPALNLTLAS KEIPSKLEAQ LGQGKGEAKL DLKYVPPRRV EQEGKAAQEG YLGCHKEENL SALEGRDPCG EAHPEATDAL GHLLNSDLHH LGVGRGNCEE KRGVNPGEQD SLHTTPKQGS ASLGGADNQP TGKISPCAGE KLGERTSSSF SPGDSHVAFI PNNLTDSKPL DVIEEERRLG SGNKDSVMVL VFNPSVGENK TEVPEPLDPQ SGRSEARESK EVTTSVAENR NLLENADKIE STSARADSVL NIPAPLHPET TVNMTYQPTT PSSSFQDVSV FGMDAGSPLV VPPPTDSARL LNTSPKVPDK NTCPSGIPKP VFTHSKDTPS SQEGMENYQV EKTEERTETK PIIMPKPKHV RPKIITYIRR NPQALGQVDA

SLVPVGLPYA PPTCTMPLPH EEKAAGGDLK PSANLYEKFK PDLQKPRVFS SGLMVSGIKP PGHPFSQMSE KFLQEVTDHP GKEEFCSPPY AHYEVPPTFY RSAMLLKPQL GLGAMSRLPS AKSRILIASQ RSSASAIHPP GPITTATSLY SSDPSADLKK ASSSNAAKSN LPKSGLRPPG YSRLPAAKLA AFGFVRSSSV SSVSSTQSGD SAQPEQGRPA TRSTFGNEEQ PVLKASLPSK DTPKGAGRVA PPASSSVTAP RRSLLPAPKS TSTPAGTKKD AQKDQDTNKP AVSSPKRVAA STTKLHSPGY PKQRTAAARN GFPPKPDPQA REAERQLVLR LKERCEQQTR QLGVAQGELK RAICGFDALA VATQHFFRKN ESALVKEKEL SIELANIRDE VAFHTAKCEK LQKEKEELER RFEDEVKRLG WQQQAELQEL EERLQLQFEA EMARLQEEHG DQLLSIRCQH QEQVEDLTAS HDAALLEMEN NHTVAITILQ DDHDHKVQEL MSTHELEKKE LEENFEKLRL SLQDQVDTLT FQSQSLRDRA RRFEEALRKN TEEQLEIALA PYQHLEEDMK SLKQVLEMKN QQIHEQEKKI LELEKLAEKN IILEEKIQVL QQQNEDLKAR IDQNTVVTRQ LSEENANLQE YVEKETQEKK RLSRTNEELL WKLQTGDPTS PIKLSPTSPV YRGSSSGPSS PARVSTTPR

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

Product Details

	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!
	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:	CAZIP (MTUS2)
Alternative Name:	MTUS2 (MTUS2 Products)
Background:	Microtubule-associated tumor suppressor candidate 2 (Cardiac zipper protein) (Microtubule plus-end tracking protein TIP150) (Tracking protein of 150 kDa),FUNCTION: Binds microtubules. Together with MAPRE1 may target the microtubule depolymerase KIF2C to the plus-end of microtubules. May regulate the dynamics of microtubules at their growing distal tip. {ECO:0000269|PubMed:19543227}.
Molecular Weight:	150.2 kDa
UniProt:	Q5JR59

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 even the most difficult-to-express proteins, including those that require post-translational modifications.

Application Details

	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

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