Datasheet for ABIN3093655

MAGI1 Protein (AA 1-1491) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	MAGI1
Protein Characteristics:	AA 1-1491
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAGI1 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	MSKVIQKKNH WTSRVHECTV KRGPQGELGV TVLGGAEHGE FPYVGAVAAV EAAGLPGGGE GPRLGEGELL LEVQGVRVSG LPRYDVLGVI DSCKEAVTFK AVRQGGRLNK DLRHFLNQRF QKGSPDHELQ QTIRDNLYRH AVPCTTRSPR EGEVPGVDYN FLTVKEFLDL EQSGTLLEVG TYEGNYYGTP KPPSQPVSGK VITTDALHSL QSGSKQSTPK RTKSYNDMQN AGIVHAENEE EDDVPEMNSS FTADSGEQEE HTLQETALPP VNSSIIAAPI TDPSQKFPQY LPLSAEDNLG PLPENWEMAY TENGEVYFID HNTKTTSWLD PRCLNKQQKP LEECEDDEGV HTEELDSELE LPAGWEKIED PVYGIYYVDH INRKTQYENP VLEAKRKKQL EQQQQQQQQQ QQQQQQQQQQ QTEEWTEDHS ALVPPVIPNH PPSNPEPARE VPLQGKPFFT RNPSELKGKF IHTKLRKSSR GFGFTVVGGD EPDEFLQIKS LVLDGPAALD GKMETGDVIV SVNDTCVLGH THAQVVKIFQ SIPIGASVDL ELCRGYPLPF DPDDPNTSLV TSVAILDKEP IIVNGQETYD SPASHSSKTG KVNGMKDARP SSPADVASNS SHGYPNDTVS LASSIATQPE LITVHIVKGP MGFGFTIADS

PGGGGQRVKQ IVDSPRCRGL KEGDLIVEVN KKNVQALTHN QVVDMLVECP KGSEVTLLVQ RGGLPVPKKS PKSQPLERKD SQNSSQHSVS SHRSLHTASP SHSTQVLPEF PPAEAQAPDQ TDSSGQKKPD PFKIWAQSRS MYENRPMSPS PASGLSKGER EREINSTNFG ECPIPDYQEQ DIFLWRKETG FGFRILGGNE PGEPIYIGHI VPLGAADTDG RLRSGDELIC VDGTPVIGKS HQLVVQLMQQ AAKQGHVNLT VRRKVVFAVP KTENEVPSPA SSHHSSNQPA SLTEEKRTPQ GSQNSLNTVS SGSGSTSGIG SGGGGGSGVV STVVQPYDVE IRRGENEGFG FVIVSSVSRP EAGTTFAGNA CVAMPHKIGR IIEGSPADRC GKLKVGDRIL AVNGCSITNK SHSDIVNLIK EAGNTVTLRI IPGDESSNAT LLTNAEKIAT ITTTHTPSQQ GTQETRNTTK PKQESQFEFK APQATQEQDF YTVELERGAK GFGFSLRGGR EYNMDLYVLR LAEDGPAERC GKMRIGDEIL EINGETTKNM KHSRAIELIK NGGRRVRLFL KRGDGSVPEY DPSSDRHGPA TGPQGVPEVR AGPDRRQHPS LESSYPPDLH KSSPHGEKRA HARDPKGSRE YSRQPNEHHT WNGTSRKPDS GACRPKDRAP EGRRDAQAER AAAANGPKRR SPEKRREGTR SADNTLERRE KHEKRRDVSP ERRRERSPTR RRDGSPSRRR RSLERLLEQR RSPERRRGGS PERRAKSTDR RRARSPERRR ERSLDKRNRE DRASHREREE ANLKQDAGRS SRHPPEQRRR PYKECSTDLS I

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

Product Details

	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! 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:	MAGI1
Alternative Name:	MAGI1 (MAGI1 Products)
Background:	Membrane-associated guanylate kinase, WW and PDZ domain-containing protein 1 (Atrophin-1-interacting protein 3) (AIP-3) (BAI1-associated protein 1) (BAP-1) (Membrane-associated guanylate kinase inverted 1) (MAGI-1) (Trinucleotide repeat-containing gene 19 protein) (WW domain-containing protein 3) (WWP3),FUNCTION: May play a role as scaffolding protein at cell-cell junctions. May regulate acid-induced ASIC3 currents by modulating its expression at the cell surface (By similarity). {ECO:0000250}.
Molecular Weight:	164.6 kDa
UniProt:	Q96QZ7

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

Application Details

	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 - 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