

Datasheet for ABIN3093655

MAGI1 Protein (AA 1-1491) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	1 mg
Target:	MAGI1
Protein Characteristics:	AA 1-1491
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAGI1 protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS)

Product Details

Sequence:	MSKVIQKKNH WTSRVHECTV KRGPQGELGV TVLGGAEHGE FPYVGAVAAV EAAGLPGGGE GPRLGEGELL LEVQGVVRVSG LPRYDVLGVI DSCKEAVTFK AVRQGGRLNK DLRHFLNQRF QKGSPDHELQ QTIRDNLRYH AVPCTTRSPR EGEVPGVDYN FLTVEFLDL EQSGTLLEVQ TYEGNYYGTP KPPSQPVSGK VITTDALHSL QSGSKQSTPK RTKSYNDMQN AGIVHAENEE EDDVPEMNSS FTADSGEQEE HTLQETALPP VNSSIIAAPI TDPSQKFPQY LPLSAEDNLG PLPENWEMAY TENGEVYFID HNTKTTSWLD PRCLNKQQKP LEECEDDEGV HTEELDSELE LPAGWEKIED PVYGIYYVDH INRKTQYENP VLEAKRKKQL EQQQQQQQQQ QQQQQQQQQQ QTEEWTEDEHS ALVPPVIPNH PPSNPEPARE VPLQGKPFPT RNPSELKGKF IHTKLRKSSR GFGFTVVGGD EPDEFLQIKS LVLDGPAALD GKMETGDVIV SVNDTCVLGH THAQVVKIFQ SIPIGASVDL ELCRGYPLPF DPDDPNTSLV TSVAILDKEP IIVNGQETYD SPASHSSKTG KVNGMKDARP SSPADVASNS SHGYPNDTV S LASSIATQPE LITVHIVKGP MGFGFTIADS PGGGGQQRVKQ IVDSPRCRGL KEGDLIVEVN KKNVQALTHN QVVDMLVECP KGSEVTLLVQ
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RGGLPVPKKS PKSQPLERKD SQNSSQHSVS SHRSLHTASP SHSTQVLPEF PPAAEQAPDQ
TDSSGQKKPD PFKIWAQSRS MYENRPMSPS PASGLSKGER EREINSTNFG ECIPIDYQEQ
DIFLWRKETG FGFRILGGNE PGEPIYIGHI VPLGAADTDG RLRSGDELIC VDGTPIVIGKS
HQLVVQLMQQ AAKQGHVNLV VRRKVVFAVP KTENEVPSA SSHHSSNQPA SLTEEKRTPO
GSQNSLNTVS SGSGSTSGIG SGGGGGSGVV STVVQPYDVE IRRGENEGFG FVIVSSVSRP
EAGTTFAGNA CVAMPHKIGR IIEGSPADRC GKLKVGDRIL AVNGCSITNK SHSDIVNLIK
EAGNTVTLRI IPGDESSNAT LLTNAEKIAT ITTHTPSQQ GTQETRNTTK PKQESQFEFK
APQATQEQDF YTVELERGAK GFGFSLRGGR EYNMDLYVLR LAEDGPAERC GKMRIGDEIL
EINGETTKNM KHSRAIELIK NGGRRVRLFL KRGDGSVPEY DPSSDRHGA TGPQGVPEVR
AGPDRRQHPS LESSYPPDLH KSSPHGEKRA HARDPKGSRE YSRQPNEHHT WNGTSRKPD
GACRPKDRAP EGRRDAQAER AAAANGPKRR SPEKRREGTR SADNTLERRE KHEKRRDVSP
ERRRERSPTR RRDGSPSRRR RSLERLLEQR RSPERRRGS PERRAKSTDR RRARSPEERR
ERSLDKRNRE DRASHREERE ANLKQDAGRS SRHPPEQRRR PYKECSTDLS I

Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.

Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Human MAGI1 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- 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 will ensure that you receive a correctly folded 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.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receipt of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

The concentration of our recombinant proteins is measured using the absorbance at 280nm.

The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

The concentration of the protein is calculated using its specific absorption coefficient. We use

Product Details

	the ExPASy's protParam tool to determine the absorption coefficient of each protein.
Purification:	Two step purification of proteins expressed in baculovirus infected SF9 insect cells: <ol style="list-style-type: none">1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered
Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade

Target Details

Target:	MAGI1
Alternative Name:	MAGI1 (MAGI1 Products)
Background:	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:	165.5 kDa Including tag.
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:	In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value 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:	Unlimited (if stored properly)

Images



Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process