

Datasheet for ABIN3137189

**MAGI3 Protein (AA 1-1476) (His tag)****1** Image[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	MAGI3
Protein Characteristics:	AA 1-1476
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAGI3 protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS)

## Product Details

Sequence:	MSKTLKKKKH WLSKVQEC AV SWAGPPGDLG AEIRGGAERG EFPYLGRLRD EAGGGGGTCC VVSGKAPSPG DVLLEVNGTP VSGLTNRDTL AVIRHFREPI RLKTVKPGKV INKDLRHLYS LQFQKGSIDH KLQQVIRDNL YLRTIPCTTR APRDGEVPGV DYNFISVEQF KALEESGALL ESGTYDGNFY GTPKPPAEPs PFQDPDQV LFDNEFDTS QRKRTTSVSK MERMDSSLPE EEEDDEDKEAV NGSGSMETRE MHSETSDCWM KTVPSYNQTN SSMDFRNYMM RDNLEPLPK NWEMAYTD TG MIYFIDHNTK TTTWLDPRLC KKAKAPEDCE DGELPYGWEK IEDPQYGTYY VDHLNQKTQF ENPVEEAKRK KQLGQAEIHS AKTDVERAHF TRDPSQLKGV LVRASLKKST MGFGFTIIGG DRPDEFLQVK NVLKDGPAAQ DGKIAPGDVI V DINGNCVLG HTHADVVMQF QLVPVNQYVN LTLCRGYPLP DDESDPVVDI VAATPVINGQ SLTKGETCMN TQDFKLGAMV LDQNGKSGQI LASDRLNGPS ESSEQRASLA SSGSSQPELV TIPLIKGPKG FGFAIADSPT GQKVKMILDS QWCQGLQKGD IIKEIYHQN V QNLTHLQVVE VLKQFPVGAD VPLLILRGGP CSPTKTAKTK TDTKENS GSL ETINEPIQP MPFPSSIIRS GSPKLDPSEV YLKS KTLTYED
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KPPNTKDL DV FLRKQESGFG FRVLGGDGP D QSIYIGAIP LGAAEKDGRL RAADELMCID  
GIPVKGKSHK QVLDLMTTAA RNGTHVLLTVR RKIFYGEKQP EDESHQAFSQ NGSPRLNRAE  
LPTRSAPQEA YDVTLQRKEN EGFGFVILTS KSKPPPGVIP HKIGRVIDGS PADRCGGLKV  
GDHISAVNGQ SIVDLSHDNI VQLIKDAGVT VTLTVVAEEE HHGPPSGTNS ARQSPALQHR  
PMGQAQANHI PGDRIALEGE IGRDVCSSYR HSWSDHKHLA QPDTAVISVV GSRHNQSLGC  
YPVELERGPR GFGFSLRGGK EYNMGLFILR LAEDGPAIKD GRIHVGDQIV EINGEPTQGI  
THTRAIELIQ AGGNKVL LLL RPTGTLIPDH GDWDTNSPSS SNVIYDEQPP PLPSSHAST  
FEESHVPATE DSLTRVQICE KAEELKDTVQ EKKSTLNGSQ PEMKYQSVHK TMSKKDPPRG  
SGHGEKSRLK GENGVTRRGR SASPKKSVNR HSEEHLEKIP RPLKSDPKEK SRDRSLSPRK  
GESKGRLTIK AGSGQDPYRK DRGRSSSPKK QKIGGNSLS NTEGKLSEAG SRRAGHPRD  
STEQLPDGRE KSGVSRKDLK QSQPGKTRTK SPEKKSSKVD ETSLP SKKTS STAGR VVSEK  
EKGGKPTAGE TSRETVEHTQ ISAKQLKQEA QEKTALGNAD DHKGRESEVT DRCRERAGCT  
PQSSSLVKKA PITPGPWRVP RANKVTGTTG MADKQL

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

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### Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Mouse Magi3 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"><li>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.</li><li>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.</li></ol>
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:	MAGI3
Alternative Name:	Magi3 ( <a href="#">MAGI3 Products</a> )
Background:	Acts as a scaffolding protein at cell-cell junctions, thereby regulating various cellular and signaling processes. Cooperates with PTEN to modulate the kinase activity of AKT1. Its interaction with PTPRB and tyrosine phosphorylated proteins suggests that it may link receptor tyrosine phosphatase with its substrates at the plasma membrane. In polarized epithelial cells, involved in efficient trafficking of TGFA to the cell surface. Regulates the ability of LPAR2 to activate ERK and RhoA pathways. Regulates the JNK signaling cascade via its interaction with FZD4 and VANGL2. {ECO:0000269 PubMed:15195140, ECO:0000269 PubMed:15652357}.
Molecular Weight:	162.6 kDa Including tag.
UniProt:	<a href="#">Q9EQJ9</a>

## 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:	Protein has not been tested for activity yet. 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

## Application Details

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