

Datasheet for ABIN7565036  
**MAGI3 Protein (AA 1-1476) (His tag)**



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## Overview

Quantity:	1 mg
Target:	MAGI3
Protein Characteristics:	AA 1-1476
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAGI3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Magi3 Protein expressed in mammalian cells.
Sequence:	MSKTLKKKKH WLSKVQEC AV SWAGPPGDLG AEIRGGAERG EFPYLGRLRD EAGGGGGTCC VVSGKAPSPG DVLLEVNGTP VSGLTNRDTL AVIRHFREPI RLKTVKPGKV INKDLRHLYS LQFQKGSIDH KLQQVIRDNL YLRTIPCTTR APRDGEVPGV DYNFISVEQF KALEESGALL ESGTYDGNFY GTPKPPAEPS PFQPDVDQV LFDNEFDTES QRKRTTSVSK MERMDSSLPE EEEDKEAV NGS GSMETRE MHSETSDCWM KTVPSYNQTN SSMDFRNYMM RDNLEPLPK NWEMAYTDTG MIYFIDHNTK TTTWLDPRLC KKAKAPEDCE DGELPYGWEK IEDPQYGTYY VDHLNQKTQF ENPVEEAKRK KQLGQAEIHS AKTDVERAHF TRDPSQLKGV LVRASLKKST MGFGFTIIGG DRPDEFLQVK NVLKDGPAAQ DGKIAPGDVI V DINGNCVLG HTHADVQMF QLVPVNQYVN LTLCRGYPLP D DSEDPVVDI VAATPVINGQ SLTKGETCMN TQDFKLGAMV LDQNGKSGQI LASDRLNGPS ESSEQRASLA SSGSSQPELV TIPLIKGPKG FGFAIADSPT GQKVKMILDS QWCQGLQKGD I I KEIYHQN V QNLTHLQVVE VLKQFPVGAD VPLLILRGGP

CSPTKTAKTK TDTKENSGL ETINEPIQP MPFPPSIIRS GSPKLDPSEV YLKSCTLYED  
KPPNTKDLDV FLRKQESGFG FRVLGGDGPD QSIYIGAIIP LGAAEKDGRL RAADELMCID  
GIPVKGKSHK QVLDLMTTAA RNGTHVLLTVR RKIFYGEEKQP EDESHQAFSQ NGSPRLNRAE  
LPTRSAPQEA YDVTLQRKEN EGFQFVILTS KSKPPPGVIP HKIGRVIDGS PADRCGGLKV  
GDHISAVNGQ SIVDLSDNI VQLIKDAGVT VTLTVVAEEE HHGPPSGTNS ARQSPALQHR  
PMGQAQANHI PGDRIALEGE IGRDVCSSYR HSWSDHKHLA QPDTAVISVV GSRHNQSLGC  
YPVELERGPR GFGFSLRGGK EYNMGLFILR LAEDGPAIKD GRIHVGDIQV EINGEPTQGI  
THTRAIELIQ AGGNKVLILL RPQTGLIPDH GDWDTNSPSS SNVIYDEQPP PLPSSHAST  
FEESHVPATE DSLTRVQICE KAEELKDTVQ EKKSTLNGSQ PEMKYQSVHK TMSKKDPPRG  
SGHGKSRKLG GENGVTTRGR SASPKKSVNR HSEEHLEKIP RPLKSDPKEK SRDRSLSPRK  
GESKGRITIK AGSGQDPYRK DRGRSSSPKK QKIGGNLSL NTEGKLSEAG SRRAAGHPRD  
STEQLPDGRE KSGVSRKDLK QSQPGKTRTK SPEKKSSKVD ETSLPSKTKS STAGRNVSEK  
EKGKPTAGE TSRETVEHTQ ISAKQLKQEA QEKTALGNAD DHKGRESEVT DRCRERAGCT  
PQSSSLVKA PITPGPWRVP RANKVTGTTG MADKQL **Sequence without tag. The proposed Purification-Tag is based on experiences 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.**

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Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- 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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

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Purity: > 90 % as determined by Bis-Tris Page, Western Blot

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Grade: custom-made

## Target Details

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Target:	MAGI3
Alternative Name:	Magi3 ( <a href="#">MAGI3 Products</a> )
Background:	<p>Membrane-associated guanylate kinase, WW and PDZ domain-containing protein 3 (Membrane-associated guanylate kinase inverted 3) (MAGI-3),FUNCTION: 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}.</p>
Molecular Weight:	161.7 kDa
UniProt:	<a href="#">Q9EQJ9</a>

## Application Details

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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.
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Buffer:	The buffer composition 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:	12 months