Datasheet for ABIN7565250

MAGI2 Protein (AA 1-1275) (His tag)

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Overview

Quantity:	1 mg
Target:	MAGI2
Protein Characteristics:	AA 1-1275
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAGI2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Magi2 Protein expressed in mammalien cells.
Sequence:	MSKSLKKKSH WTSKVHESVI GRNPEGQLGF ELKGGAENGQ FPYLGEVKPG KVAYESGSKL VSEELLLEVN ETPVAGLTIR DVLAVIKHCK DPLRLKCVKQ GGIVDKDLRH YLNLRFQKGS VDHELQQIIR DNLYLRTVPC TTRPHKEGEV PGVDYIFITV EEFMELEKSG ALLESGTYED NYYGTPKPPA EPAPLLNVTD QILPGATPSA EGKRKRNKSV TNMEKASIEP PEEEEEERPV VNGNGVVITP ESSEHEDKSA GASGETPSQP YPAPVYSQPE ELKDQMDDTK PTKPEENEDS DPLPDNWEMA YTEKGEVYFI DHNTKTTSWL DPRLAKKAKP PEECKENELP YGWEKIDDPI YGTYYVDHIN RRTQFENPVL EAKRKLQQHN MPHTELGAKP LQAPGFREKP LFTRDASQLK GTFLSTTLKK SNMGFGFTII GGDEPDEFLQ VKSVIPDGPA AQDGKMETGD VIVYINEVCV LGHTHADVVK LFQSVPIGQS VNLVLCRGYP LPFDPEDPAN SMVPPLAIME RPPPVMVNGR HNYETYLEYI SRTSQSVPDI TDRPPHSLHS MPADGQLDGT YPPPVHDDNV SMASSGATQA ELMTLTIVKG AQGFGFTIAD SPTGQRVKQI LDIQGCPGLC EGDLIVEINQ QNVQNLSHTE

Product Details

	VVDILKDCPV GSETSLIIHR GGFFSPWKTP KPMMDRWENQ GSPQTSLSAP AVPQNLPFPP ALHRSSFPDS TEAFDPRKPD PYELYEKSRA IYESRQQVPP RTSFRMDSSG PDYKELDVHL RRMESGFGFR ILGGDEPGQP ILIGAVIAMG SADRDGRLHP GDELVYVDGI PVAGKTHRYV IDLMHHAARN GQVNLTVRRK VLCGGEPCPE NGRSPGSVST HHSSPRSDYA TYSNSNHAAP SSNASPPEGF ASHSLQTSDV VIHRKENEGF GFVIISSLNR PESGATITVP HKIGRIIDGS PADRCAKLKV GDRILAVNGQ SIINMPHADI VKLIKDAGLS VTLRIIPQEE LNSPTSAPSS EKQSPMAQQH SPLAQQSPLA QPSPATPNSP VAQPAPPQPL QLQGHENSYR SEVKARQDVK PDIRQPPFTD YRQPPLDYRQ PPGGDYSQPP PLDYRQHSPD TRQYPLSDYR QPQDFDYFTV DMEKGAKGFG FSIRGGREYK MDLYVLRLAE DGPAIRNGRM RVGDQIIEIN GESTRDMTHA RAIELIKSGG RRVRLLLKRG TGQVPEYGMV PSSLSMCMKS DKHGSPYFYL LGHPKDTTNP TPGVLPLPPP QACRK **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.**
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien 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.
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	MAGI2
Alternative Name:	Magi2 (MAGI2 Products)

Target Details

Background:	Membrane-associated guanylate kinase, WW and PDZ domain-containing protein 2 (Activin receptor-interacting protein 1) (Acvrip1) (Atrophin-1-interacting protein 1) (AIP-1) (Membrane-associated guanylate kinase inverted 2) (MAGI-2),FUNCTION: Seems to act as a scaffold molecule at synaptic junctions by assembling neurotransmitter receptors and cell adhesion proteins (By similarity). Plays a role in nerve growth factor (NGF)-induced recruitment of RAPGEF2 to late endosomes and neurite outgrowth (By similarity). May play a role in regulating activin-mediated signaling in neuronal cells (PubMed:10681527). Enhances the ability of PTEN to suppress AKT1 activation (By similarity). Plays a role in receptor-mediated clathrin-dependent endocytosis which is required for ciliogenesis (PubMed:24608321). {ECO:0000250|UniProtKB:O88382, ECO:0000250|UniProtKB:Q86UL8, ECO:0000269|PubMed:10681527, ECO:0000269|PubMed:24608321}.
Molecular Weight:	140.9 kDa
UniProt:	Q9WVQ1
Pathways:	Neurotrophin Signaling Pathway

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.
Restrictions:	For Research Use only

Handling

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