

Recombinant Full Length Human MAGI2 Protein, C-Flag-tagged

Cat. No. MAGI2-333HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human MAGI2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The protein encoded by this gene interacts with atrophin-1. Atrophin-1 contains a polyglutamine repeat, expansion of which is responsible for dentatorubral and pallidolusian atrophy. This encoded protein is characterized by two WW domains, a guanylate kinase-like domain, and multiple PDZ domains. It has structural similarity to the membrane-associated guanylate kinase homologue (MAGUK) family.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	158.6 kDa
AA Sequence	MSKSLKKKSHWTSKVVHESVIGRNPEGQLGFELKGGGAENGQFPYLGEVKPGKVAYE SGSKLVSEELLLEV N ETPVAGLTIRDVLAVIKHCKDPLRLKCVKQGGIVDKDLRHLYN LRFQKGSVDHELQIIRDNLYLRTVPC TTRPHKEGEVPGVDYIFITVEDFMELEKSG ALLESPTYEDNYYGTPKPPAEPAPLLLNVTQILPGATPS AEGKRKRKNSVSNMEK ASIEPPEEEEEERPVVNGNGVVVTPESEHEDKSAGASGEMPSQPYAPVYSQP E ELKEQMDDTKPTKPEDNEEPDPLPDNWEMAYTEKGEVYFIDHNTKTTSWLDPRLAK KAKPPEECKENEL PYGWEKIDDPIYGTYYVDHINRRTQFENPVLEAKRKLQQHNP

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HTELGTKPLQAPGFREKPLFTRDASQL KGTFLLSTLKKSNMGFGFTIIGGDEPDEFL
 QVKSVIPDGPAAQDGKMETGDVIVYINEVCVLGHTHADVV KLFQSVPIGQSVNLVLC
 RGYPLPFDPEDPANSMVPPLAIMERPPPVMVNGRHNHYETYLEYISRTSQSVPD ITD
 RPPHSLHSMPTDGGQLDGTYPVHDDNVSMASGATQAELMTLTIVKGAQGFGTI
 ADSPTGQRVKQ ILDIQGCPLCEGDLIVEINQQNVQNLSTEVVDILKDCPIGSETSLI
 IHRGGFFSPWKTPKIMDRWEN QGSPQTSLSAPAIPQNLFPFPPALHRSSFPDSTE
 AFDPRKPDYELYEKSRAIYESRQQVPPRTSFRMDSS GPDYKELDVHLRRMESGFG
 FRILGGDEPGQPILIGAVIAMGSADRDGRHLPGDELVYVDGIPVAGKTHRY VIDLMH
 HAARNGQVNLTVRRKVLCCGGEPCPENGRSPGSVSTHHSSPRSDYATYTNSNHAAP
 SSNASPPEG FASHSLQTSADVVIHRKENEGFGFVISSLRNPESGSTITVPHKIGRIIDG
 SPADRCALKVGDRLAVNG QSIINMPHADIVKLIKDALSVTLRIIPQEELNSPTSAP
 SSEKQSPMAQQSPLAQQSPLAQPSPATPNP IAQPAPPQPLQLQGHENSYSRSEVK
 ARQDVKPDIRQPPFTDYRQPPLDYRQPPGGDYQQPPPLDYRQPPL DYRQHSPDT
 RQYPLSDYRQPQDFDYFTVDMEEKGAKGFGFSIRGGREYKMDLYVLRLAEDGPAIRN
 GRMRV GDQIIEINGESTRDMTHARAIELIKSGGRRVRLLLKRGTGQVPEYDEPAPW
 SSPAAAAPGLPEVGVSLDD GLAPFSPSHPPSPDPSHQISPGPTWDIKREHDVRKP
 KELSACGQKKQRLGEQRERSASPQRAARPRLEE APGGQGRPEAGRPASEARAPG
 LAAADAADAARAGGKEAPRAAAGSELCRREGPGAAPAFAGPGGGGSGAL
 EAEGRAGARAGPRPGPRPPGGAPARKAAVAPGPWKVPGSDKLPSVLKPGASAAS
 RTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.

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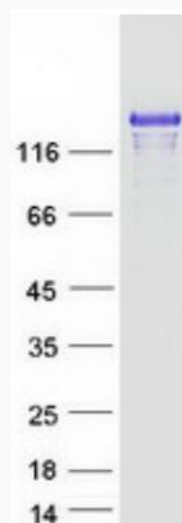
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Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Tight junction
Full Length	Full L.
GENE INFORMATION	
Gene Name	MAGI2 membrane associated guanylate kinase, WW and PDZ domain containing 2 [Homo sapiens (human)]
Official Symbol	MAGI2
Synonyms	AIP1; AIP-1; ARIP1; SSCAM; MAGI-2; NPHS15; ACVRIP1
Gene ID	9863
mRNA Refseq	NM_012301.4
Protein Refseq	NP_036433.2
MIM	606382
UniProt ID	Q86UL8

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Coomassie blue staining of purified MAGI2 protein.

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