

Product datasheet for MR226034

Magi1 (NM_010367) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Magi1 (NM_010367) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Magi1
Synonyms:	AIP3; Baiap1; BAP1; Gukmi1; Magi-1; MAGI1c; mKIAA4129; TNRC19; WWP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR226034 representing NM_010367 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGCAAAGTGATCCAGAAGAAGAACCCTGGACTGGCCGCGTTACAGAGTGCACCGTGAAGCGGGGAC
CCCAGGGCGAGCTGGGGGTGACGGTCTGGGGGGCGGGAGCATGGGGAGTTCCGTACGTGGGGCGGT
GGCGGGCGCCGAGGCGGGGGTCCCGGCGGTGGCGAGGGGCCAAGCTGGCCGAAGGTGAGCTGCTG
CTGGAGGTGCAGGGGTCCGGGTGTCGGCTTGCCTCGCTATGACGTGCTGGGAGTCATCGACAGCTGCA
AGGAGGCCGTACCTTCAAAGCCGTGACACAAGGAGGAAGGCTCAACAAGGACCTACGACATTTCTCAA
CCAACGGTCCAGAAGGGTCTCCAGATCATGAGCTCCAGCAGACCATAAGGGACAACCTTACCGCCAT
GCTGTGCCTTGCACAACCCGGTCTCCAGAGAAGGAGAAGTGCCTGGTGTGGATTACAGCTTTCTGACTG
TGAAGGAGTTCTTGGACCTCGAGCAGAGCGGGACCCTGTTGGAAGTCGGCACCTATGAAGGAACTATTA
TGGGACACCCAAACCTCTAGCCAGCCAGTCAGTGGGAAAGTGATCACGACGGATGCCTTGACAGCCTG
CAGTCTGGCTCCAAGCAGTCGACCCCTAAGCGAACAAGTCTACAATGATATGCAAAATGCTGGCATAG
TCCACCCGGAGAATGAGGAGGAGGAGTGTCCCTGAAATGAACAGTAGCTTTACAGCCGACTCTGGAGA
CCAGGACGAGCACACTCTCCAAGAAGCAACGCTCCCGCCTGTGAATAGTAGCATCCTCGCTGCTCCCATC
ACGGACCTTCTCAGAAGTCCCTCAGTACCTACCTCTTCTGCAGAGGATAATTTAGGCTCTACCTG
AAAATGGGAGATGGCCTATACTGAAAATGGAGAAGTCTATTTTCATAGACCACAACACGAAAACAATC
ATGTTAGACCTCGGTGCCTGAACAAACAGCAGAAGCCTCTGGAAGAATGTGAAGATGATGAGTTGCCT
GCTGGCTGGGAAAAGATTGAAGACCCTGTCTACGGTGTCTACTATGTAGACCACATCAACAGGAAGACGC
AATATGAAAACCCAGTCTTAGAAGCCAAACGGAAGAAACAGCTTGAACAGCAGCAGCAACAGCAGCAGCC
TCAGCCACCGCAGCCAGAAGAGTGGACAGAGGATCATGCATCTGTTGTGCCTCCTGTTGCTCCTCCCAT
CCCCGAGCAATCCGGAGCCAGCCAGGGAACTCCACTCAGGGCAAACCTTTTTTACAAGAAACCCCT
CTGAGCTGAAAGCAAGTTCATTACACGAAGCTACGAAAAGCAGCCGAGGCTTTGGCTTACGGTGGT
TGGAGGAGACGAGCTGATGAGTTCCTGCAGATCAAGAGCCTCGTCTCGATGGTCTGCCGACTGGAT



[View online >](#)

GGCAAGATGGAGACAGGGGATGT AATTGTGAGTGTGAATGACACCTGTGTTTTGGGACACACACATGCTC
 AAGTTGTGAAAATCTTCCAGTCCATTCCCATTGGTGCCAGTGTGGACCTGAACTCTGCAGAGGTTATCC
 ATTGCCTTTTGACCCGGATGACCCTAATAACAAGTTTAGTGACCTCGGTGGCCATTTTGGACAAAGAACCA
 ATTATTGTAATGGACAAGAGACCTACGATTACCAGCGAGCCACAGTAGTAAAACAGGCAAAGTCAGCA
 GCATGAAGGATGCCAGGCCAAGCAGCCCTGCTGATGTGGCTTCCAACAGCTCTCATGGTTATCCCAACGA
 CACAGTCTCCTTGGCTTCTCCATAGCCACCCAGCCAGAGCTAATAACTGTTACATAGTCAAAGGGCCA
 ATGGGATTTGGCTTACGATCGCAGACAGTCCCAGTGGGGTGGCCAAAGAGTGAACAGATTGTTGACA
 GTCCACGCTGCAGAGGCCCAAAGAAGGGGATCTTATCGTGGAGGTGAATAAGAAGAACGTGCAGGCCCT
 GACGCACAATCAAGTCGTGGATATGCTGATTGAATGTCCAAGGGAAGTGAAGTCACTGTTGGTGCAG
 CGAGGAGGGCTACCAGTCCCAAGAAGAGCCAAAGTCGCCACTGGAGAGGAAAGACAGCCAGAATAGCT
 CCCAGCACAGCGTCTCCAGCCACCGGAGCTGCACACTGCGTCCCGAGCCACGGCATACAGGTGCTCCC
 TGAGTACCTACCTGCAGACGCCCTGCTCCAGATCAGACCGACAGCTCTGGGCAGAAAAAGCCAGATCCT
 TTTAAAATCTGGGCCAGTCCAGGAGCATGTATGAAAACCGACTTCCAGATTACCAGGAACAGGACATCT
 TCCTCTGGAGAAAAGAACCGGATTTGGATTTAGGATTCTGGGTGAAAATGAACCAGGGGAACCCATTTA
 TATCGGTACATCGTACCCTGGGTGCTGCTGACACAGACGGCCCTGAGGTCTGGAGATGAATTAATC
 TGTGTGGATGGGACACCAAGTAATTGGGAAATCACACCAGCTCGTGGTCCAGCTTATGCAACAAGCTGCCA
 AGCAAGGCCATGTCAATCTCACAGTGAAGCGGAAAGTGGTCTTTGCCGTCCCAAGCAGAGAATGAGGT
 GCCCTCACAGCCTCATCACACCACAGTAGCAACCAGCCCGCTCCCTGACGGAGGAGAAACGCACACCG
 CAAGGCAGCCAGAACTCTCTGAACACTGTGAGCTCTGGCAGCGGCAGCACCAGTGGCATTGGCAGTGGTG
 GCGGGGGGGCAGCGGTGTGGTGAGCGCTGTGCTGCAGCCCTATGATGTGGAGATTCGGCGTGGGGAGAA
 CGAGGGCTTTGGGTTTGTATCGTGTCTCCGTGAGCAGACCCGAAGCGGGCACAACCTTCGAGTCTCA
 AATGCCACGCTGCTGACTAATGCTGAGAAGATTGCCACCATCACCACTCATGCCCTCTCAGCAGG
 GGACCCAGGAAACAAGGACCACCACCAACCAAGCAGGATTCTCAGTTTGAGTTCAAAGGACCGCAGGC
 TGCACAGGAGCAAGATTTCTACACTGTGGAATTGGAAAGAGGGGCCAAGGATTTGGCTTTAGTCTTCGA
 GGGGGCCGAGAATATAACATGGATCTTTATGTTCTGCGCTTGGCAGAGGATGGTCTGCAGAAAGATGTG
 GGAAGATGAGGATTGGCGATGAAATCTAGAGATCAATGGTGAGACCACCAAAAACATGAAACACTCTCG
 GGCCATAGAAGTATCAAGAATGGCGGCCGAGGGTCCGTCTGTTTCTGCGGGGGGAGACGGCTCAGTC
 CCAGAATATGCGATGATCCCTCCTAAAATCGCTGCATGTATGAGAAATGAAAAGCTCGGGGAGGCTTGCT
 TCTACCTTATGGCCATAATCAAACACGACCCAGCAGCGACAGGAACGGCCCTCCACCGGTGCACAA
 GGTGTTCCGGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

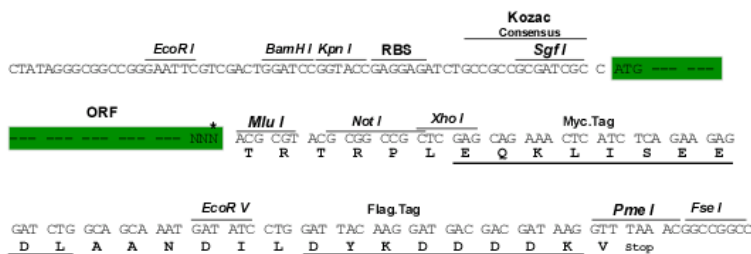
Protein Sequence: >MR226034 representing NM_010367
Red=Cloning site Green=Tags(s)

MSKVIQKKNHWTGRVHECTVKRGPQGELGVTVLGGAEHGEFFPYVGAVAAAEEAAGLPGGGEGPKLAEGELL
 LEVQGVVRSGLPRYDVLVIDSCKEAVTFKA VRQGGRLNKDLRHF LNQRFQKGS PDHELQQTIRDNL YRH
 AVPCTTRSPREGEVPGVDYSFLTVKEFLDLEQSGTLLEVGTYEGNYGTPKPPSQPVSGKVITTDALHSL
 QSGSKQSTPKRRTKSYNDM QNAGIVHPENEEEEEDVPEMNSSFTADSGDQDEHTLQEATLPPVNSSILAAPI
 TDPSQKFPQYLPLSAEDNLGPLPENWEMAYTENGEVYFIDHNTKTT SWLDPRCLNKQKPLEECEDDELP
 AGWEKIEDPVYGVYVDHINRKTQYENPVLEAKRKKQLEQQQQQQPQPPEEWEDHASVVPVAPSH
 PPSNPEPARETLPQGKPFTRNPSSELKGF IHTKLRKSSRGFGFTVVGDEPDEF LQIKSLVLDGPAALD
 GKMETGDVIVSVNDTCVLGHTHAQVVKIFQSIPIGASVDLELCRGYPLPFD PDDPNTSLVTSVA ILDKEP
 IIVNGQETD SPASHSSKTGKVSMMKDARPSSPADVASNSSHGYPNDTVSLASSIATQPELITVHIVKGP
 MGF GFTIADSPGGGGQRVKQIVDSPRCRLKEGDLIVEVNKNVQAL THNQVVDMLIECPKGSEVTL LVQ
 RGLLPVPKKSPKSPLERKDSQNSSQHSVSHRSLHTASPSHGIQVLP EYLPADAPADQTDSSGQKKPDP
 FKIWAQSRSMYENR L PDYQE QDIFLWRKETGFGFRILGGNEPGEPIYIGHIVPLGAADTDGRLRSGDELI
 CVDGTPVIGKSHQLV VQLMQQA AKQGHVNLT VRRKVVFAVPAENEVSPASSHSSNQPASL TEEKRTP
 QGSQNSLNTVSSGSGSTSGIGSGGGGGSGVSAVLQPYDVEIRRGENEGFGFVI VSSVS RP EAGTTFESS
 NATLLTNAEKIATITTT HAPSQQGTQETRTTTKPKQDSQFEFKGPAAQE QDFYTVELER GAKGFGSLR
 GGREYNMDL VVLR LAEDGPAERC GKMRI GDEILE INGETTKNMKHSRAIELIKNGRRVRLFLRRGDSV
 PEYAMIPPKIAACMRNEKLGEACFYLMGHNQTTT PAATGTAPPPVHKVFRK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI
Cloning Scheme:

Cloning sites used for ORF Shuttling:



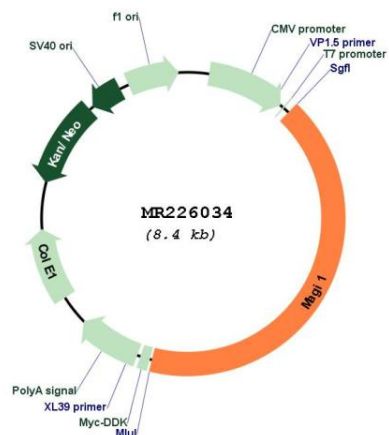
* The last codon before the Stop codon of the ORF

ACCN: NM_010367

ORF Size: 3513 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_010367.3</u> , <u>NP_034497.1</u>
RefSeq Size:	7589 bp
RefSeq ORF:	3516 bp
Locus ID:	14924
UniProt ID:	<u>Q6RHR9</u>
Cytogenetics:	6 D1
MW:	128 kDa
Gene Summary:	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.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226034