

Product datasheet for MC223820

Magi1 (NM_010367) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Magi1 (NM_010367) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Magi1
Synonyms:	AIP3; Baiap1; BAP1; Gukmi1; Magi-1; MAGI1c; mKIAA4129; TNRC19; WWP3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223820 representing NM_010367 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGTCAAAGTGTATCCAGAAGAAGAACCCTGGACTGGCCGCGTTACAGAGTGCACCGTGAAGCGGGGAC
CCCAGGGCGAGCTGGGGGTGACGGTCTGGGGGCGCGGAGCATGGGGAGTTCCGTACGTGGGGCGGT
GGCGGCGCCGAGGCGGGGGGTTCCCGCGGTGGCGAGGGGCCGAAGCTGGCCGAAGGTGAGCTGCTG
CTGGAGGTGCAGGGGGTCCGGGTGTCCGGCTTGCCCGCTATGACGTGCTGGGAGTCATCGACAGCTGCA
AGGAGGGCCGTACCTTCAAAGCCGTGACACAAGGAGGAAGGCTCAACAAGGACCTACGACATTTCTCAA
CCAACGGTTCCAGAAGGGGTCTCCAGATCATGAGCTCCAGCAGACCATAAGGGACAACCTTACCGCCAT
GCTGTGCCTTGCACAACCCGGTCTCCAGAGAAGGAGAAGTGCCTGGTGTGGATTACAGCTTTCTGACTG
TGAAGGAGTTCTTGACCTCGAGCAGAGCGGGACCCTGTTGGAAGTCGGCACCTATGAAGGAACTATTA
TGGGACACCCAAACCTCTAGCCAGCCAGTCAGTGGGAAAGTATCAGCAGCGATGCCTTGACAGCCTG
CAGTCTGGCTCCAAGCAGTCGACCCCTAAGCGAACAAGTCTACAATGATATGCAAAATGCTGGCATAG
TCCACCCGGAGAATGAGGAGGAGGAGTGTCCCTGAAATGAACAGTAGCTTTACAGCCGACTCTGGAGA
CCAGGACGAGCACACTCTCCAAGAAGCAACGCTCCCGCCTGTGAATAGTAGCATCCTCGCTGCTCCCATC
ACGGACCTTCTCAGAAGTTCCTCAGTACCTACCTCTTTCTGCAGAGGATAAATTTAGTCTCTACCTG
AAAAGTGGGAGATGGCCTATACTGAAAATGGAGAAGTCTATTTATAGACCACAACAGAAAACAACATC
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GCTGGCTGGGAAAAGATTGAAGACCCTGTCTACGGTGTCTACTATGTAGACCACATCAACAGGAAGACGC
AATATGAAAACCCAGTCTAGAAGCCAAACGGAAGAAACAGCTTGAACAGCAGCAGCAACAGCAGCAGCC
TCAGCCACCGCAGCCAGAAGAGTGGACAGAGGATCATGCATCTGTTGTGCCTCCTGTTGCTCCTCCCAT
CCCCGAGCAATCCGGAGCCAGCCAGGAACTCCAATTCAGGGCAAACCTTTTTTACAAGAAACCCCT
CTGAGCTGAAAGCAAGTTCATTCACACGAAGCTACGGAAGAGCAGCCGAGGCTTTGGCTTACGGTGGT
TGGAGGAGACGAGCCTGATGAGTTCCTGCAGATCAAGAGCCTCGTCTCGATGGTCTGCCGCACTGGAT
GGCAAGATGGAGACAGGGGATGTAATTGTGAGTGTGAATGACACCTGTGTTTTGGGACACACATGCTC



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AAGTTGTGAAAATCTTCCAGTCCATTCCCATTGGTGCCAGTGTGGACCTTGAACCTGCAGAGGTTATCC
ATTGCCTTTTGACCCGGATGACCCTAATACAAGTTTAGTGACCTCGGTGGCCATTTTGGCAAAGAACCA
ATTATTGTAATGGACAAGAGACCTACGATTACCAGCGAGCCACAGTAGTAAAAACAGGCAAAGTCAGCA
GCATGAAGGATGCCAGGCCAAGCAGCCCTGCTGATGTGGCTTCCAACAGCTCTCATGGTTATCCCAACGA
CACAGTCTCCTTGGCTTCTCCATAGCCACCCAGCCAGAGCTAATAACTGTTACATAGTCAAAGGGCCA
ATGGGATTTGGCTTTACGATCGCAGACAGTCCCAGTGGGGTGGCCAAAGAGTGAACAGATTGTTGACA
GTCCACACTGCAGAGCCCTCAAAGAAGGGGATCTTATCGTGGAGGTGAATAAGAAGAAGCTGCAGGCCCT
GACGCACAATCAAGTCGTGGATATGCTGATTGAATGTCCCAAGGGAAGTGAAGTACACTGTTGGTGCAG
CGAGGAGGGCTACCAGTCCCAAGAAGAGCCAAAGTCGCCACTGGAGAGGAAAGACAGCCAGAATAGCT
CCCAGCACAGCGTCTCCAGCCACCGAGCCTGCACACTGCGTCCCGAGCCACGGCATAACAGGTGCTCCC
TGAGTACCTACCTGCAGACGCCCTGCTCCAGATCAGACCGACAGCTCTGGGCAGAAAAAGCCAGATCCT
TTTAAAATCTGGGCCAGTCCAGGAGCATGTATGAAAACCGACTTCCAGATTACCAGGAACAGGACATCT
TCCTCTGGAGAAAAGAAACCGGATTTGGATTTAGGATTCTGGGTGAAAATGAACAGGGGAACCCATTTA
TATCGGTACATCGTACCGCTGGGTGCTGCTGACACAGACGGCCCTGAGGTCTGGAGATGAATTAATC
TGTGTGGATGGGACACCAGTAATTGGGAAATCACACCAGCTCGTGTCCAGCTTATGCAACAAGCTGCCA
AGCAAGGCCATGTCAATCTCACAGTGAAGCGGAAAGTGGTCTTTGCCGTCCCAAAGCAGAGAATGAGGT
GCCCTCACAGCCTCATCACACCACAGTAGCAACCAGCCCGCTCCCTGACGGAGGAGAAACGCACACCG
CAAGGCAGCCAGAACTCTCTGAACACTGTGAGCTCTGGCAGCGGCAGCACCAGTGGCATTGGCAGTGGT
GCGGGCGGGGAGCGGTGTGGTGAAGCCTGTGCTGCAGCCCTATGATGTGGAGATTGCGCGTGGGGAGAA
CGAGGGCTTTGGGTTTGTATCGTGTCTCCGTGAGCAGACCCGAAGCGGGCACAACCTTCGAGTCTCA
AATGCCACGCTGCTGACTAATGCTGAGAAGATTGCCACCATCACACCCTCATGCCCTCTCAGCAGG
GGACCCAGGAAACAAGGACCACCACCAACCAAGCAGGATTCTAGTTGAGTTCAAAGGACCGCAGGC
TGCACAGGAGCAAGATTTCTACTGTGGAATTTGAAAGAGGGGCCAAGGATTTGGCTTTAGTCTTCGA
GGGGCCGAGAATAAACAATGGATCTTTATGTTCTGCGCTTGGCAGAGGATGGTCTCAGAAAGATGTG
GGAAGATGAGGATTGGCGATGAAATTCTAGAGATCAATGGTGAAGCACCACAAAACATGAAAACCTCTCG
GGCCATAGAAGTATCAAGAATGGCGGCCAGGGTCCGTCTGTTTCTGCGGGGGAGACGGCTCAGTC
CCAGAATATGCGATGATCCCTCTAAAATCGCTGCATGTATGAGAAATGAAAAGCTCGGGGAGGCTTGCT
TCTACCTTATGGCCATAATCAAACCTACGACCCAGCAGCGACAGGAACGGCCCTCCACCGGTGCACAA
GGTGTTCGGAAGTGA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:

Sgfl-Mlul

ACCN:

NM_010367

Insert Size:

3516 bp

OTI Disclaimer:

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.

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](#)

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:	7604 bp
RefSeq ORF:	3516 bp
Locus ID:	14924
UniProt ID:	<u>Q6RHR9</u>
Cytogenetics:	6 D1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) contains multiple coding region differences, one of which results in a frameshift and an early stop codon, compared to variant 3. It encodes isoform a, which is shorter and has a distinct C-terminus, compared to isoform c. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>