

Product datasheet for **MC229540**

Magi1 (NM_001286785) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Magi1 (NM_001286785) 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: >MC229540 representing NM_001286785
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGAAAGTGATCCAGAAGAAGAACCCTGGACTGGCCGCGTTACGAGTGCACCGTGAAGCGGGGAC
 CCCAGGGCGAGCTGGGGGTGACGGTCTGGGGGCGCGGAGCATGGGAGTTTCCGTACGTGGGGCGGT
 GCGGGCGCCGAGGCGGGGGGTTCCCGCGGTGGCGAGGGGCCGAAGCTGGCCGAAGGTGAGCTGCTG
 CTGGAGGTGCAGGGGGTCCGGGTGTCCGGCTTGCCCGCTATGACGTGCTGGGAGTCATCGACAGCTGCA
 AGGAGGGCCGTACCTTCAAAGCCGTGAGACAAGGAGGAAGGCTCAACAAGGACCTACGACATTTCTCAA
 CCAACGGTTCCAGAAGGGGTCTCCAGATCATGAGCTCCAGCAGACCATAAGGGACAACCTTACCGCCAT
 GCTGTGCCTTGCACAACCCGGTCTCCAGAGAAGGAGAAGTGCCTGGTGTGGATTACAGCTTTCTGACTG
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 TGGGACACCCAAACCTCCTAGCCAGCCAGTCAGTGGGAAAGTATCACGACGGATGCCTTGACAGCCTG
 CAGTCTGGCTCCAAGCAGTCGACCCCTAAGCGAACAAGTCTACAATGATATGCAAAATGCTGGCATAG
 TCCACCCGGAGAATGAGGAGGAGGAGTGTCCCTGAAATGAACAGTAGCTTTACAGCCGACTCTGGAGA
 CCAGGACGAGCACACTCTCCAAGAAGCAACGCTCCCGCTGTGAATAGTAGCATCCTCGCTGCCATC
 ACGGACCTTCTCAGAAGTTCCTCAGTACCTACCTCTTTCTGCAGAGGATAATTTAGTCTCTACCTG
 AAAACTGGGAGATGGCCTATACTGAAAATGGAGAAGTCTATTTATAGACCACAACACGAAAAACAATC
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 CACTTCAGGGCAAACCTTTTTTTACAAGAAACCCCTCTGAGCTGAAAGGCAAGTTTATTACACAGAGCT
 ACGGAAAAGCAGCCGAGGCTTTGGCTTACGGTGGTGGAGGAGACGAGCCTGATGAGTCTGCAGATC
 AAGAGCCTCGTCTCGATGGTCTGCCGACTGGATGGCAAGATGGAGACAGGGGATGTAATTGTGAGTG



TGAATGACACCTGTGTTTTGGGACACACATGCTCAAGTTGTGAAAATCTTCCAGTCCATTCCCATTGG
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 TTAGTGACCTCGGTGGCCATTTTGGACAAAAGCAATATTGTAATGGACAAGAGACCTACGATTCAC
 CAGCGAGCCACAGTAGTAAAACAGGCAAGTGCAGCATGAAGGATGCCAGGCCAAGCAGCCCTGCTGA
 TGTGGCTTCCAACAGCTCATGGTTATCCCAACGACACAGTCTCCTTGGCTTCTCCATAGCCACCCAG
 CCAGAGCTAATAACTGTTACATAGTCAAAGGGCCAATGGGATTGGCTTACGATCGCAGACAGTCCCG
 GTGGGGTGGCCAAAGAGTGAAACAGATTGTTGACAGTCCACGCTGCAGAGGCCCAAAGAAGGGGATCT
 TATCGTGGAGGTGAATAAGAAGAACGTGCAGGCCCTGACGCACAATCAAGTCGTGGATATGCTGATTGAA
 TGTCCCAAGGAAGTGAGGTCACACTGTTGGTGCAGCGAGGAGGGCTACCAGTTCCTCAAGAAGGCCCAA
 AGTCGCAGCCACTGGAGAGGAAAGACAGCCAGAAATAGCTCCCAGCACAGCGTCTCCAGCCACCGGAGCCT
 GCACACTGCGTCCCCGAGCCACGGCATAACAGGTGCTCCCTGAGTACCTACCTGCAGACGCCCTGCTCCA
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 TTCCACGAATTTTGGAGAATGTCAGATTCCAGATTACCAGGAACAGGACATCTTCTCTGGAGAAAAGAA
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 CGCTGGGTGCTGCTGACACAGACGGCCGCTGAGGTCTGGAGATGAATTAATCTGTGTGGATGGGACACC
 AGTAATTGGGAAATCACACCAGCTCGTGGTCCAGCTTATGCAACAAGCTGCCAAGCAAGGCCATGTCAAT
 CTCACAGTGAAGCGGAAAGTGGTCTTTGCCGTCCCAAAGCAGAGAATGAGGTGCCCTCACCAGCCCTCAT
 CACACCACAGTAGCAACCAGCCCGCTCCCTGACGGAGGAGAAACGCACACCCGAAGGCAGCCAGAACTC
 TCTGAACACTGTGAGCTCTGGCAGCGGCAGCACCAGTGGCATTGGCAGTGGTGGCGGGGGGACAGCGGT
 GTGGTGAAGCTGTGCTGACGCCCTATGATGTGGAGATTGGCGTGGGGAGAACGAGGGCTTTGGGTTTG
 TCATCGTGTCTCCGTGAGCAGACCCGAAGCGGGCACAACCTTCGAGGCAATGCATGTGTGGCTATGCC
 TCACAAAATAGTCCGATTATTGAGGGGAGCCCTGCTGACCGTGTGGCAAGCTGAAAGTAGGAGACCGG
 ATCTTGGCAGTAAATGGATGTTCCATCACCAACAATCCATTCTGACATTGTCAACCTAATCAAAGAAG
 CGGGCAACACAGTGACTCTCCGCATCATCCCCGGGGATGAGTCCCAAATGCCACGCTGCTGACTAATGC
 TGAGAAGATTGCCACCATCACCACACTCATGCCCTCTCAGCAGGGGACCCAGGAAACAAGGACCACC
 ACCAAACCAAAGCAGGATTCTCAGTTTGTAGTTCAAAGGACCGCAGGCTGCACAGGAGCAAGATTTCTACA
 CTGTGGAATTGGAAGAGGGGCCAAGGGATTTGGCTTTAGTCTTCGAGGGGGCCGAGAATAAATGGA
 TCTTTATGTTCTGCGCTTGGCAGAGGATGGTCTGCAGAAAGATGTGGAAAGATGAGGATTGGCGATGAA
 ATTCTAGAGATCAATGGTGAACACCAAAAACATGAAACTCTCGGGCCATAGAATGATCAAGATG
 GCGGCCGAGGGTCCGTCTGTTTCTGCGCGGGGAGACGGCTCAGTCCCAGAATATGCGATGATCCCTCC
 TAAAATCGCTGCATGATGAGAAATGAAAAGCTCGGGGAGGCTTCTTCTACCTTATGGCCATAATCAA
 ACTACGACCCAGCAGCGACAGGAACGGCCCTCCACCGTGCACAAGGTGTTCCGGAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001286785
- Insert Size:** 3843 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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:

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: NM_001286785.1, NP_001273714.1

RefSeq Size: 7931 bp

RefSeq ORF: 3843 bp

Locus ID: 14924

Cytogenetics: 6 D1

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]
Transcript Variant: This variant (6) uses an alternate in-frame splice site and includes an alternate exon in the 3' coding region, resulting in a frameshift and an early stop codon, compared to variant 3. It encodes isoform f, which is shorter and has a distinct C-terminus, compared to isoform c. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.