

Product datasheet for **MC229501**

Magi1 (NM_001286786) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Magi1 (NM_001286786) 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: >MC229501 representing NM_001286786
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGAAAGTGATCCAGAAGAAGAACCCTGGACTGGCCGCGTTACAGAGTGCACCGTGAAGCGGGGAC
 CCCAGGGCGAGCTGGGGGTGACGGTCTGGGGGCGCGGAGCATGGGAGTTTCCGTACGTGGGGCGGT
 GCGGGCGCCGAGGCGGGGGGTTCCCGCGGTGGCGAGGGGCCGAAGCTGGCCGAAGGTGAGCTGCTG
 CTGGAGGTGCAGGGGGTCCGGGTGTCCGGCTTGCCCGCTATGACGTGCTGGGAGTCATCGACAGCTGCA
 AGGAGGCCGTACCTTCAAAGCCGTGAGACAAGGAGGAAGGCTCAACAAGGACCTACGACATTTCTCAA
 CCAACGGTTCCAGAAGGGGTCTCCAGATCATGAGCTCCAGCAGACCATAAGGGACAACCTTACCGCCAT
 GCTGTGCCTTGACAACCCGGTCTCCAGAGAAGGAGAAGTGCCTGGTGTGGATTACAGCTTTCTGACTG
 TGAAGGAGTTCTTGACCTCGAGCAGAGCGGGACCCTGTTGGAAGTCGGCACCTATGAAGGAACTATTA
 TGGGACACCCAAACCTCTAGCCAGCCAGTCAGTGGGAAAGTATCAGCAGCGATGCCTTGACAGCCTG
 CAGTCTGGCTCCAAGCAGTCGACCCCTAAGCGAACAAGTCTACAATGATATGCAAAATGCTGGCATAG
 TCCACCCGGAGAATGAGGAGGAGGAGTGTCCCTGAAATGAACAGTAGCTTTACAGCCGACTCTGGAGA
 CCAGGACGAGCACTCTCCAAGAAGCAACGCTCCCGCCTGTGAATAGTAGCATCCTCGCTGCCATC
 ACGGACCTTCTCAGAAGTTCCTCAGTACCTACCTCTTTCTGCAGAGGATAATTTAGGTCTCTACCTG
 AAAACTGGGAGATGGCCTATACTGAAAATGGAGAAGTCTATTTCATAGACCACAACAGAAAACAACATC
 ATGTTAGACCCTCGGTGCCTGAACAAACAGCAGAAGCCTCTGGAAGAATGTGAAGATGATGAGTTGCC
 GCTGGCTGGGAAAAGATTGAAGACCCTGTCTACGGTGTCTACTATGTAGACCACATCAACAGGAAGACGC
 AATATGAAAACCCAGTCTAGAAGCCAAACGGAAGAAACAGCTTGAACAGCAGCAGCAACAGCAGCAGCC
 TCAGCCACCGCAGCCAGAAGAGTGGACAGAGGATCATGCATCTGTTGTGCCTCCTGTTGCTCCTCCCAT
 CCCCCGAGCAATCCGGAGCCAGCCAGGAACTCCAATTGAGGGCAAACCTTTTTTTACAAGAAACCCCT
 CTGAGCTGAAAGCAAGTTCATTCACACGAAGCTACGGAAGAGCAGCCGAGGCTTTGGCTTACGGTGGT
 TGGAGGAGACGAGCCTGATGAGTTCCTGCAGATCAAGAGCCTCGTCTCGATGGTCTGCCGCACTGGAT
 GGCAAGATGGAGACAGGGGATGTAATTGTGAGTGTGAATGACACCTGTGTTTTGGGACACACATGCTC



```
AAGTTGTGAAAATCTTCCAGTCCATTCCCATTGGTGCCAGTGTGGACCTTGAACCTGCAGAGGTTATCC
ATTGCCTTTTGACCCGGATGACCCTAATACAAGTTTAGTGACCTCGGTGGCCATTTTGGACAAAGAACCA
ATTATTGTAATGGACAAGACCTACGATTACCAGCGAGCCACAGTAGTAAAAACAGGCAAAGTCAGCA
GCATGAAGGATGCCAGGCCAAGCAGCCCTGCTGATGTGGCTTCCAACAGCTCTCATGGTTATCCCAACGA
CACAGTCTCCTTGGCTTCTCCATAGCCACCCAGCCAGAGCTAATAACTGTTACATAGTCAAAGGGCCA
ATGGGATTTGGCTTTACGATCGCAGACAGTCCCAGTGGGGTGGCCAAAGAGTGAACAGATTGTTGACA
GTCCACGCTGCAGAGCCCTCAAAGAAGGGGATCTTATCGTGGAGGTGAATAAGAAGAAGCTGCAGGCCCT
GACGCACAATCAAGTCGTGGATATGCTGATTGAATGTCCAAGGGAAGTGAAGTCAACTGTTGGTGACG
CGAGGAGGGCTACCAGTCCCAAGAAGAGCCAAAGTCGCAGCCACTGGAGAGGAAAGACAGCCAGAATA
GCTCCCAGCACAGCGTCTCCAGCCACCGGAGCCTGCACACTGCGTCCCCGAGCCACGGCATAACAGGTGCT
CCCTGAGTACCTACCTGCAGACGCCCTGCTCCAGATCAGACCGACAGCTCTGGGAGAAAAAGCCAGAT
CCTTTTAAAATCTGGGCCAGTCCAGGAGCATGTATGAAAACCGACCTATGTCACCTTCGCTGCATCAG
GATTGAGCAAGGGTGAAGAGACAGAGAAATCAATCCACGAATTTGGAGAATGCAGATTCCAGATTA
CCAGGAACAGGACATCTCCTCTGGAGAAAAGAAACCGGATTTGGATTTAGGATTCTGGGTGAAATGAA
CCAGGGGAACCCATTTATATCGGTCACATCGTACCGCTGGGTGCTGCTGACACAGACGGCCGCTGAGGT
CTGGAGATGAATTAATCTGTGTGGATGGGACACCAAGTAATGGGAAATCACACCAGCTCGTGGTCCAGCT
TATGCAACAAGCTGCCAAGCAAGGCCATGTCAATCTCACAGTGAGGCGGAAAGTGGTCTTTGCCGTCCTCC
AAAGCAGAGAATGAGGTGCCCTCACCAGCCTCATCACACCACAGTAGCAACCAGCCCGCTCCCTGACGG
AGGAGAAAACGCACACCGCAAGGCAGCCAGAACTCTGTAACACTGTGAGCTCTGGCAGCGGCAGCACCAG
TGGCATTGGCAGTGGTGGCGGGGGCAGCGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
ATTCGGCGTGGGAGAACGAGGGCTTTGGGTTTGTATCGTGTCTCCGTGAGCAGACCCGAAGCGGGCA
CAACCTTCGGCAATGCATGTGTGGCTATGCCTCACAAAATAGGTCGGATTATTGAGGGGAGCCCTGCTGA
CCGCTGTGGCAAGCTGAAAGTAGGAGACCGGATCTTGGCAGTAAATGGATGTTCCATCACCAAAAATCC
CATTCTGACATTGTCAACCTAATCAAAGAAGCGGGCAACACAGTACTCTCCGCATCATCCCGGGGATG
AGTCTCAAATGCCACGCTGCTGACTAATGCTGAGAAGATTGCCACCATACCACCACTCATGCCCCCTC
TCAGCAGGGGACCCAGGAAAAGGACCACCACCAAAAGCAGGATTCTCAGTTTGAAGTCAAAGGA
CCGCGAGGCTGCACAGGAGCAAGATTTCTACACTGTGGAATTGAAAGAGGGGCAAGGGATTTGGCTTTA
GTCTTCGAGGGGGCCGAGAATAAACATGGATCTTTATGTTCTGCGCTTGGCAGAGGATGGTCTGCAGA
AAGATGTGGGAAGATGAGGATTGGCGATGAAATCTAGAGATCAATGGTGGAGACCACCAAAAACATGAAA
CACTCTCGGGCCATAGAAGTATCAAGAATGGCGGCCGAGGGTCCGTCTGTTTCTGCGGGGGGAGACG
GCTCAGTCCAGAATATGGTGGTCAAACCTATGAAAACATCCCTTCTTCCCTGGCATGACTCCA
```

```
ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
```

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001286786
- Insert Size:** 3708 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_001286786.1](#), [NP_001273715.1](#)

RefSeq Size: 5727 bp

RefSeq ORF: 3708 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 (7) contains multiple coding region differences compared to variant 3, and its 3' terminal exon extends past a splice site that is used in variant 3. This results in a novel 3' coding region and 3' UTR, compared to variant 3. It encodes isoform g, 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.