

Product datasheet for **MC229280**

Magi1 (NM_001286788) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Magi1 (NM_001286788) 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: >MC229280 representing NM_001286788
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAAAATGCTGGCATAGTCCACCCGGAGAATGAGGAGGAGGAGGATGTCCTGAAATGAACAGTAGCT
 TTACAGCCGACTCTGGAGACCAGGACGAGCACACTCTCCAAGAAGCAACGCTCCCGCCTGTGAATAGTAG
 CATCCTCGCTGCTCCCATCACGGACCCTTCTCAGAAGTCCCTCAGTACCTACCTCTTTCGAGAGGAT
 AATTTAGGTCCTCTACCTGAAAACCTGGGAGATGGCCTATACTGAAAATGGAGAAGTCTATTTTCATAGACC
 ACAACACGAAAACAACATCATGTTAGACCCTCGGTGCCTGAACAAACAGCAGAAGCCTCTGGAAGAATG
 TGAAGATGATGAAGGGGTACACACCGAGGAGCTGGACAGTGAAGTAGAGTTGCCTGCTGGCTGGGAAAAG
 ATTGAAGACCCTGTCTACGGTGTCTACTATGTAGACCACATCAACAGGAAGACGCAATATGAAAACCCAG
 TCCTAGAAGCCAAACGGAAGAAACAGCTTGAACAGCAGCAGCAACAGCAGCAGCCTCAGCCACCCGAGCC
 AGAAGAGTGGACAGAGGATCATGCATCTGTTGTGCCTCCTGTTGCTCCTCCCATCCCCGAGCAATCCG
 GAGCCAGCCAGGGAAACTCCACTTCAGGGCAAACCTTTTTTTACAAGAAACCCCTGAGTGAAAGGCA
 AGTTCATTCACACGAAGCTACGAAAAGCAGCCGAGGCTTTGGCTTACGGTGGTGGAGGAGCAGGAC
 TGATGAGTTCCTGCAGATCAAGAGCCTCGTCTCGATGGTCTGCCGCACTGGATGGCAAGATGGAGACA
 GGGGATGTAATTGTGAGTGTGAATGACACCTGTGTTTTGGGACACACATGCTCAAGTTGTGAAAATCT
 TCCAGTCCATTCCATTGGTGCCAGTGTGGACCTTGAAGTCTGCAGAGGTTATCCATTGCCTTTTGACCC
 GGATGACCCTAATAACAAGTTTAGTGACCTCGGTGGCCATTTTGGCAAAGAACCAATTATTGTAATGGA
 CAAGAGACCTACGATTACCAGCGAGCCACAGTAGTAAAACAGGCAAAGTCAAGCAGCATGAAGGATGCCA
 GGCCAAGCAGCCCTGCTGATGTGGCTTCCAACAGCTCTCATGGTTATCCCAACGACACAGTCTCCTTGGC
 TTCTCCATAGCCACCCAGCCAGAGCTAATAACTGTTACATAGTCAAAGGGCCAATGGGATTTGGCTTT
 ACGATCGCAGACAGTCCCGGTGGGGTGGCCAAAGAGTGAACAGATTGTTGACAGTCCAGCTGCAGAG
 GCCTCAAAGAAGGGGATCTTATCGTGGAGGTGAATAAGAAGAACGTGCAGGCCCTGACGCACAATCAAGT
 CGTGGATATGCTGATTGAATGTCCAAAGGGAAGTGAAGTCAACTGTTGGTGCAGCGAGGAGGGCTACCA
 GTTCCCAAAGAAGAGCCAAAGTCGACAGCCACTGGAGAGGAAAGACAGCCAGAATAGCTCCAGCACAGCG



TCTCCAGCCACCGGAGCCTGCACACTGCGTCCCCGAGCCACGGCATAACAGGTGCTCCCTGAGTACCTACC
 TGCAGACGCCCTGCTCCAGATCAGACCGACAGCTCTGGGCAGAAAAAGCCAGATCCTTTTAAAACTGG
 GCCCAGTCCAGGAGCATGTATGAAAACCGACCTATGTCACCTTCGCTGCATCAGGATTGAGCAAGGGTG
 AAAGAGACAGAGAAATCAATCCACGAATTTGGAGAATGTCAGAATTACCAGGAACAGGACATCTTCT
 CTGGAGAAAAGAAACCGGATTTGGATTTAGGATTTCTGGGTGGAATGAACCAGGGGAACCCATTTATC
 GGTCACATCGTACCGCTGGGTGCTGTGACACAGACGGCCGCTGAGGTCTGGAGATGAATTAATCTGTG
 TGGATGGGACACCAGTAATTGGGAAATCACACCAGCTCGTGGTCCAGCTTATGCAACAAGTGCCAAGCA
 AGGCCATGTCAATCTCACAGTGAGGCGGAAAGTGGTCTTTGCCGTCCCCAAAGCAGAGAATGAGGTGCC
 TCACCAGCCTCATCACACCACAGTAGCAACCAGCCCGCTCCCTGACGGAGGAGAAACGCACACCCGCAAG
 GCAGCCAGAACTCTGAACACTGTGAGCTCTGGCAGCGGCAGCACCAGTGGCATTGGCAGTGGTGGCGG
 CGGGGGCAGCGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
 GGCTTTGGGTTTGTTCATCGTGTCTCCGTGAGCAGACCCGAAGCGGGCACAACCTTCGGCAATGCATGTG
 TGGCTATGCCTCACAAAATAGGTCGGATTATTGAGGGGAGCCCTGCTGACCGCTGTGGCAAGCTGAAAGT
 AGGAGACCGGATCTTGGCAGTAAATGGATGTTCCATCACCAACAAATCCCATTCTGACATTGTCAACCTA
 ATCAAAGAAGCGGCAACACAGTACTCTCCGCATCATCCCCGGGATGAGTCTCAAATGCCACGCTGC
 TGACTAATGCTGAGAAGATTGCCACCATACCACCACTCATGCCCTCTCAGCAGGGGACCCAGGAAAC
 AAGGACCACCACAAACCAAGCAGGATTTCTAGTTTGGTTCAAAGGACCCGAGGCTGCACAGGAGCAA
 GATTTCTACACTGTGGAATTGGAAAGAGGGGCCAAGGGATTTGGCTTTAGTCTTCGAGGGGGCCGAGAAT
 ATAACATGGATCTTTATGTTCTGCGCTTGGCAGAGGATGGTCTCGAGAAAGATGTGGGAAGATGAGGAT
 TGGCGATGAAATTCTAGAGATCAATGGTGGAGACCACCAAAAACATGAAACACTCTCGGGCCATAGAAGT
 ATCAAGAAATGGCGGCCGAGGGTCCGTCTGTTTCTGCGCGGGGAGACGGCTCAGTCCCAGAATATGGTG
 GGTCAAACTATGAAAACATCCCTTCCTCCCTGGCATGACTCCATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001286788
- Insert Size:** 3057 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_001286788.1](#), [NP_001273717.1](#)

RefSeq Size: 5099 bp

RefSeq ORF: 3057 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 (8) has multiple differences, compared to variant 3. These differences cause translation initiation at a downstream start codon and result in a different 3' coding region and 3' UTR, compared to variant 3. It encodes isoform h, which is shorter and has a distinct C-terminus, compared to isoform c.