OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC223233

Magi1 (NM_001083321) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Magi1 (NM_001083321) 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:	>MC223233 representing NM_001083321 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCAAAATGCTGGCATAGTCCACCCGGAGAATGAGGAGGAGGAGGATGTCCCTGAAATGAACAGTAGCT TTACAGCCGACTCTGGAGACCAGGACGAGCACACTCTCCAAGAAGCAACGCTCCCGCCTGTGAATAGTAG CATCCTCGCTGCTCCCATCACGGACCCTTCTCAGAAGTTCCCTCAGTACCTACCTCTTTCTGCAGAGGAT AATTTAGGTCCTCTACCTGAAAACTGGGAGATGGCCTATACTGAAAATGGAGAAGTCTATTTCATAGACC ACAACACGAAAACAACATCATGGTTAGACCCTCGGTGCCTGAACAAACAGCAGAAGCCTCTGGAAGAATG TGAAGATGATGAAGGGGTACACACCGAGGAGCTGGACAGTGAACTAGAGTTGCCTGCTGGCTGGGAAAAG ATTGAAGACCCTGTCTACGGTGTCTACTATGTAGACCACATCAACAGGAAGACGCAATATGAAAACCCAG TCCTAGAAGCCAAACGGAAGAAACAGCTTGAACAGCAGCAGCAACAGCAGCAGCCTCAGCCACCGCAGCC AGAAGAGTGGACAGAGGATCATGCATCTGTTGTGCCTCCTGTTGCTCCTTCCCATCCCCCGAGCAATCCG GAGCCAGCCAGGGAAACTCCACTTCAGGGCAAACCTTTTTTTACAAGAAACCCCTCTGAGCTGAAAGGCA AGTTCATTCACACGAAGCTACGGAAAAGCAGCCGAGGCTTTGGCTTCACGGTGGTTGGAGGAGACGAGCC TGATGAGTTCCTGCAGATCAAGAGCCTCGTCCTCGATGGTCCTGCCGCACTGGATGGCAAGATGGAGACA GGGGATGTAATTGTGAGTGTGAATGACACCTGTGTTTTGGGACACACACATGCTCAAGTTGTGAAAATCT TCCAGTCCATTCCCATTGGTGCCAGTGTGGACCTTGAACTCTGCAGAGGTTATCCATTGCCTTTTGACCC GGATGACCCTAATACAAGTTTAGTGACCTCGGTGGCCATTTTGGACAAAGAACCAATTATTGTAAATGGA CAAGAGACCTACGATTCACCAGCGAGCCACAGTAGTAAAACAGGCAAAGTCAGCAGCATGAAGGATGCCA GGCCAAGCAGCCCTGCTGATGTGGCTTCCAACAGCTCTCATGGTTATCCCAACGACACAGTCTCCTTGGC TTCCTCCATAGCCACCCAGCCAGAGCTAATAACTGTTCACATAGTCAAAGGGCCAATGGGATTTGGCTTT ACGATCGCAGACAGTCCCGGTGGGGGTGGCCAAAGAGTGAAACAGATTGTTGACAGTCCACGCTGCAGAG GCCTCAAAGAAGGGGATCTTATCGTGGAGGTGAATAAGAAGAACGTGCAGGCCCTGACGCACAATCAAGT CGTGGATATGCTGATTGAATGTCCCAAGGGAAGTGAGGTCACACTGTTGGTGCAGCGAGGAGGGCTACCA GTTCCCAAGAAGAGCCCAAAGTCGCAGCCACTGGAGAGGAAAGACAGCCAGAATAGCTCCCAGCACAGCG

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TCTCCAGCCACCGGAGCCTGCACACTGCGTCCCCGAGCCACGGCATACAGGTGCTCCCTGAGTACCTACC
TGCAGACGCCCCTGCTCCAGATCAGACCGACAGCTCTGGGCAGAAAAAGCCAGATCCTTTTAAAATCTGG
GCCCAGTCCAGGAGCATGTATGAAAACCGACCTATGTCACCTTCGCCTGCATCAGGATTGAGCAAGGGTG
AAAGAGACAGAGAAATCAATTCCACGAATTTTGGAGAATGTCAGATTCCAGATTACCAGGAACAGGACAT
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TATATCGGTCACATCGTACCGCTGGGTGCTGCTGACACAGACGGCCGCCTGAGGTCTGGAGATGAATTAA
TCTGTGTGGATGGGACACCAGTAATTGGGAAATCACACCAGCTCGTGGTCCAGCTTATGCAACAAGCTGC
CAAGCAAGGCCATGTCAATCTCACAGTGAGGCGGAAAGTGGTCTTTGCCGTCCCCAAAGCAGAGAATGAG
GTGCCCTCACCAGCCTCATCACACCACAGTAGCAACCAGCCCGCGTCCCTGACGGAGGAGAAACGCACAC
CGCAAGGCAGCCAGAACTCTCTGAACACTGTGAGCTCTGGCAGCGGCAGCACCAGTGGCATTGGCAGTGG
TGGCGGCGGGGGCAGCGGTGTGGTGAGCGCTGTGCTGCAGCCCTATGATGTGGAGATTCGGCGTGGGGAG
AACGAGGGCTTTGGGTTTGTCATCGTGTCCTCCGTGAGCAGACCCGAAGCGGGCACAACCTTCGGCAATG
CATGTGTGGCTATGCCTCACAAAATAGGTCGGATTATTGAGGGGAGCCCTGCTGACCGCTGTGGCAAGCT
GAAAGTAGGAGACCGGATCTTGGCAGTAAATGGATGTTCCATCACCAACAAATCCCATTCTGACATTGTC
AACCTAATCAAAGAAGCGGGCAACACAGTGACTCTCCGCATCATCCCCGGGGATGAGTCCTCAAATGCCA
CGCTGCTGACTAATGCTGAGAAGATTGCCACCATCACCACCACTCATGCCCCCTCTCAGCAGGGGACCCA
GGAAACAAGGACCACCACCAAACCAAAGCAGGATTCTCAGTTTGAGTTCAAAGGACCGCAGGCTGCACAG
GAGCAAGATTTCTACACTGTGGAATTGGAAAGAGGGGCCAAGGGATTTGGCTTTAGTCTTCGAGGGGGCC
GAGAATATAACATGGATCTTTATGTTCTGCGCTTGGCAGAGGATGGTCCTGCAGAAAGATGTGGGAAGAT
GAGGATTGGCGATGAAATTCTAGAGATCAATGGTGAGACCACCAAAAACATGAAACACTCTCGGGCCATA
GAACTGATCAAGAATGGCGGCCGCAGGGTCCGTCTGTTTCTGCGGCGGGGAGACGGCTCAGTCCCAGAAT
ATGGTGGGTCAAACTATGAAAACATCCCTTCCTTCCCTGGCATGACTCCATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001083321

Insert Size: 3063 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).

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_001083321.2, NP_001076790.1

RefSeq Size: 5105 bp

RefSeq ORF: 3063 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 (4) 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 d, which is shorter and has a distinct C-terminus, compared to isoform c.