

Product datasheet for MR226037

Magi1 (NM_001083320) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Magi1 (NM_001083320) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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
ORF Nucleotide Sequence:	>MR226037 representing NM_001083320 Red=Cloning site Blue=ORF Green=Tags(s)

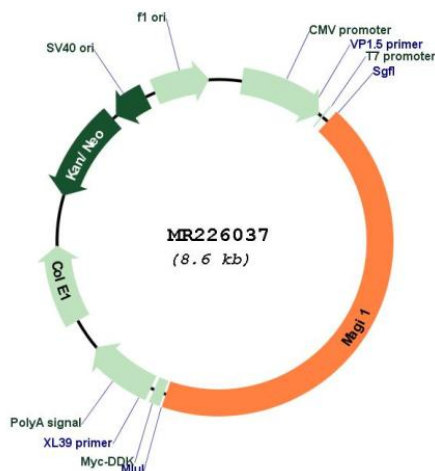
TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAAAATGCTGGCATAGTCCACCCGGAGAATGAGGAGGAGGAGGATGTCCTGAAATGAACAGTAGCT
TTACAGCCGACTCTGGAGACCAGGACGAGCACACTCTCCAAGAAGCAACGCTCCCGCCTGTGAATAGTAG
CATCCTCGCTGCTCCCATCACGGACCCTTCTCAGAAGTCCCTCAGTACCTACCTCTTTCGAGAGGAT
AATTTAGGTCCTCTACCTGAAAACCTGGGAGATGGCCTATACTGAAAATGGAGAAGTCTATTTTCATAGACC
ACAACACGAAAACAACATCATGTTAGACCCTCGGTGCCTGAACAAACAGCAGAAGCCTCTGGAAGAATG
TGAAGATGATGAAGGGGTACACACCGAGGAGCTGGACAGTGAAGTGAAGTTCCTGCTGGCTGGGAAAAG
ATTGAAGACCCTGTCTACGGTGTCTACTATGTAGACCACATCAACAGGAAGACGCAATATGAAAACCCAG
TCCTAGAAGCCAAACGGAAGAAACAGCTTGAACAGCAGCAGCAACAGCAGCAGCCTCAGCCACCCGAGCC
AGAAGAGTGGACAGAGGATCATGCATCTGTTGTGCCTCCTGTTGCTCCTCCCATCCCCGAGCAATCCG
GAGCCAGCCAGGGAACTCCACTTCAGGGCAAACCTTTTTTTACAAGAAACCCCTGAGCTGAAAGGCA
AGTTCATTCACACGAAGCTACGAAAAGCAGCCGAGGCTTTGGCTTCACGGTGGTGGAGGAGCAGAGCC
TGATGAGTTCCTGCAGATCAAGAGCCTCGTCTCGATGGTCTGCCGCACTGGATGGCAAGATGGAGACA
GGGGATGTAATTGTGAGTGTGAATGACACCTGTGTTTTGGGACACACATGCTCAAGTTGTGAAAATCT
TCCAGTCCATTCCATTGGTGCCAGTGTGGACCTTGAAGTCTGCAGAGGTTATCCATTGCCTTTTGACCC
GGATGACCCTAATAACAAGTTTAGTGACCTCGGTGGCCATTTTGGCAAAGAACCAATTATTGTAATGGA
CAAGAGACCTACGATTACCAGCAGCCACAGTAGTAAAACAGGCAAAGTCAAGCAGCATGAAGGATGCCA
GGCCAAGCAGCCCTGCTGATGTGGCTTCCAACAGCTCTCATGGTTATCCCAACGACACAGTCTCCTTGGC
TTCTCCATAGCCACCCAGCCAGAGCTAATAACTGTTACATAGTCAAAGGGCCAATGGGATTTGGCTTT
ACGATCGCAGACAGTCCCGGTGGGGTGGCCAAAGAGTGAACAGATTGTTGACAGTCCAGCTGCAGAG
GCCTCAAAGAAGGGGATCTTATCGTGGAGGTGAATAAGAAGAACGTGCAGGCCCTGACGCACAATCAAGT
CGTGGATATGCTGATTGAATGTCCAAAGGGAAGTGAAGTCAACTGTTGGTGCAGCGAGGAGGGCTACCA
GTTCCAAAGAAGAGCCAAAGTCGCCACTGGAGAGGAAAGACAGCCAGAATAGCTCCAGCACAGCGTCT



CCAGCCACCGGAGCCTGCACACTGCGTCCCCGAGCCACGGCATACAGGTGCTCCCTGAGTACCTACCTGC
AGACGCCCTGCTCCAGATCAGACCCGACAGCTCTGGGCAGAAAAAGCCAGATCCTTTTAAAAATCTGGGCC
CAGTCCAGGAGCATGTATGAAAACCGACCTATGTCACCTTCGCCTGCATCAGGATTGAGCAAGGGTGAAA
GAGACAGAGAAATCAATTCCACGAATTTTGGAGAATGTCAGATTCAGATTACCAGGAACAGGACATCTT
CCTCTGGAGAAAAGAAACCGGATTTGGATTTAGGATCTGGGTGGAAATGAACCAGGGGAACCCATTTAT
ATCGGTACATCGTACCGCTGGGTGCTGCTGACACAGACGGCCGCTGAGGTCTGGAGATGAATTAATCT
GTGTGGATGGGACACCAGTAATTGGGAAATCACACCAGCTCGTGGTCCAGCTTATGCAACAAGTGCCAA
GCAAGGCCATGTCAATCTCACAGTGAGGCGGAAAGTGGTCTTTGCCGTCCCCAAAGCAGAGAATGAGGTG
CCCTACCAGCCTCATCACACCAGTAGCAACCAGCCGCGTCCCTGACGGAGGAGAAACGCACACCCGC
AAGGCAGCCAGAACTCTCTGAACACTGTGAGCTCTGGCAGCGGCAGCACCAGTGGCATTGGCAGTGGTGG
CGGCGGGGGCAGCGGTGTGGTGAGCGCTGTGCTGCAGCCCTATGATGTGGAGATTCGGCGTGGGAGAAC
GAGGGCTTTGGGTTTGTATCGTGTCTCCGTGAGCAGACCCGAAGCGGGCACAACCTTCGCAGGCAATG
CATGTGTGGCTATGCCTCACAAAATAGTCCGATTATTGAGGGGAGCCCTGCTGACCCTGTGGCAAGCT
GAAAGTAGGAGACCGGATCTTGGCAGTAAATGGATGTTCCATCACCAACAAATCCCATTCTGACATTGTC
AACCTAATCAAAGAAGCGGGCAACACAGTGACTCTCCGCATCATCCCCGGGGATGAGTCTCAAATGCCA
CGCTGCTGACTAATGCTGAGAAGATTGCCACCATCACCACCCTCATGCCCCCTCTCAGCAGGGGACCCCA
GGAAACAAGGACCACCACCAACCAAGCAGGATTCTCAGTTTGAGTTCAAAGGACCCGACAGGCTGCACAG
GAGCAAGATTTCTACTGTGGAATTGGAAAGAGGGGCCAAGGGATTTGGCTTTAGTCTTCGAGGGGGCC
GAGAATAAATGATGTTTATGTTCTGCGCTTGGCAGAGGATGGTCTGCAGAAAGATGTGGGAAGAT
GAGGATTGGCGATGAAATTTAGAGATCAATGGTGAGACCACCAAAAACATGAAACACTCTCGGGCCATA
GAACTGATCAAGAATGGCGGCCGAGGGTCCGTCTGTTTCTGCGCGGGGAGACGGCTCAGTCCCAGAAT
ATGACCCAGCAGCGACAGGAACGGCCCTCCACCGGTGCACAAGGTGTTCCGGAAGTGAGGCCGGGGCC
GCCAGACCACAGACCGCATCCAGCCTTGGAGTCCAGTTACCCACCCGAACCTCACAAATCATCAACAT
GCCGAAAAGCGGACACAGCAAGGATCCAAAAGCAACAGGGAGCACAGCAAACAACCCAAACGAAACATC
ACACCTGGAATGGAATTTCTAGAAAACAGGACAGCGGGGCATGCCGGCCAAAGACCGGCCACCCGACGC
ATGGAGAGAGGCGCAGCCAGAGCGGACAGCCACCAATGTTCAAAGAGGAGGTACCCGGAGAAGCGCAGG
GAAGGCACCCGACGCGTGAACAACCTTTGGAAAGAAGGGAGAAGCATGAGAAGAGAAGAGAGATATCTC
CCGAGAGGAAGCGAGAGCGTTACCCACCCGGAGAAAAGATAGCTCCCCGAGCCGCGGGCAGGTCCCT
CGAAAGACTCCTGGATCAAAGACGGTCCCAGAGCGCAGAAGAGGGGGCTCCCCGAGAGGAGAGCCAAA
TCCACCGACAGGAGGAGGGCCAGGTCCCCTGAGCGCAGGCGAGAGCGGTCACTGGACAAAAGGAACCGGG
ACGACAAGGTTGGCCACCAGAAAAGAGAGGAGGCTGGTCTGAAGCTGGAAGCGGGGAGAAGCCCCGAAA
TCCCCAGAGCAGAGAAGGCGGCCTTCAAAGAATGTAGCACCGACCTCAGCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Plasmid Map:


ACCN: NM_001083320

ORF Size: 3765 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001083320.2](#), [NP_001076789.1](#)

RefSeq Size: 7179 bp

RefSeq ORF: 3768 bp

Locus ID: 14924

Cytogenetics: 6 D1

MW: 138.9 kDa

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]