

Product datasheet for RN202632

Magi1 (NM_001030045) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Magi1 (NM_001030045) Rat Untagged Clone
Tag: Tag Free
Symbol: Magi1
Synonyms: Baiap1; BAP-1; MAGI-1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN202632 representing NM_001030045
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTCGAAAGTGATCCAGAAGAAGAACCCTGGACTGGCCGCGTTACGAATGCACCGTGAAGCGGGGAC
 CCCAGGGCGAGCTGGGGGTGACGGTCTGGGGGCGCGGAGCATGGGAGTTTCCGTACGTGGGGCGGT
 GCGGGCGCCGAGGCGGGGGTTCGCGCGGTGGCGAGGGCCGAAGCTGGCTGAAGGTGAGCTGCTG
 CTGGAGGTGCAGGGGGTCCGGGTGTCCGGCTTGCCCGCTATGACGTGCTGGGAGTCATCGACAGCTGCA
 AGGAGGGCCGTACCTTCAAAGCCGTGAGACAAGGAGGAAGGCTCAACAAGGACCTACGACATTTCTCAA
 CCAACGGTTCCAGAAGGGGTCTCCAGATCATGAGCTCCAGCAGACCATAAGGGACAACCTTACCGCCAT
 GCTGTGCCTTGACAACCCGGTCTCCAGAGAAGGAGAAGTGCCTGGCGTCGATTACAGCTTTCTGACTG
 TGAAGGAGTTCCTGGACCTCGAGCAGAGTGGGACCCTGTTGGAAGTCGGCACCTATGAAGGAACTATTA
 TGGGACACCCAAACCTCCAGCCAGCCAGTCAGTGGGAAAGTATCAGCAGCGATGCCTTGACAGCCTG
 CAGCTGGCTCCAACAGTCGACCCCTAAGCGAACAATACTACAATGATATGCAAAATGCTGGCATAG
 TCCACACGGAGAATGAGGAAGAGGAGGATGTTCTGAAATGAACAGTAGCTTACAGCCGACTCTGGAGA
 CCAGGACGAGCCACTCTCCAAGAAGCGACGCTCCCGCCTGTGAATAGTAGCGCCCTTGCTGCCATC
 ACGGACCTTCTCAGAAGTTCCTCAGTACCTACCTCTTTCTGCAGAGGATAATTTAGGTCTCTACCTG
 AAAACTGGGAGATGGCCTATACTGAAAATGGAGAAGTCTATTTTATAGACCACAACGCGAAAAACAACATC
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 GTGTCTACTATGTAGACCACATCAACAGGAAGACGCAATATGAAAACCCAGTCTAGAAGCCAAAAGGAA
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 CCAGAAGAGTGGACAGAAGATCATGCATCTGTTGTGCCTCCTGTTGCTCCTTCCCATCCCCAAGCAACC
 CGGAGCCAGCCAGGAAGCTCCACTTCAGGGCAAACCTTTTTTTACAAGAAACCTTCTGAGCTGGAAGG
 CAAGTTCAATCACACAAAGCTACGAAAAGCAGTCGAGGCTTTGGCTTACGGTGGTGGAGGGGACGAA
 CCTGATGAGTTCTGCAGATCAAGAGCCTGTCTAGATGGTCTGCTGCACTGGATGGCAAGATGGAGA



CAGGAGATGTAATCGTCAGTGTGAATGACACCTGTGTTTTGGGACACACACATGCTCAAGTTGTGAAAAAT
 TTTCCAGTCCATTCCCATTGGTGCCAGTGTGGACCTTGAACCTCTGCAGAGGTTATCCATTGCCTTTTGAC
 CCGGATGACCCTAACACAAGTTTAGTGACCTCGGTGGCCATTTTGGACAAAGAACCAATAATTGTAAACG
 GACAAGAGACCTATGATTCACCAGCAAGCCACAGTAGTAAAACGGGCAAAGTCAGCAACATGAAGGATGC
 CAGGCCAAGCAGCCCCGACAGCTGGCTTCCAACAGTTTCATGGGTATCCCAACGACACAGTCTCCTTG
 GCTTCCATAGCCACCCAGCCAGAGCTAATAACCGTTCACATAGTCAAAGGGCCAATGGGATTTGGCT
 TTACGATCGCAGATAGTCCCGTGGGGTGGCCAAAGAGTGAAGCAGATTGTTGACAGTCCGCGTGCAG
 AGGCCCAAAGAAGGGGATCTGATTGTGGAGGTGAATAAGAGGAACGTGCAGGCCCTGACGCACAATCAA
 GTCGTGGATATGCTGATTGAGTGTCCAAAGGGAAGTGAAGTCCACTGTTGGTGCAGCGAGGAGGGCTAC
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 TGTGTCCAGCCTCCGGAGCCTGCACACAGCTTCCCGAGCCACAGTGCACAGGTGCTCCCTGAGTACCCA
 CCTGCAGAGCTCCCTGCTCCAGATCAGACCAGAGCTCTGGCAGAAAAAGCCAGATCCCTTTAAAAATCT
 GGGCCAGTCGAGGAGCATGTATGAAGACCGACCTATGCACCTTCGCTGCGTCAGGACTGAGCAAGGG
 TAAAAGAGACAGAGAGATCAATCCACGAATTTGGAGAATGTCAGATTCCAGATTACCAGGAGCAGGAC
 ATCTTCTCTGGAGAAAAGACCGGTTTTGGATTTAGGATTCTGGGTGAAAATGAGCCAGGGGAACCCA
 TTTATATCGGTACATCGTACCCTGGGTGCTGCTGACACAGACGGCCGCTGAGGTCTGGAGATGAATT
 AATCTGTGTGGATGGGACACCAGTAATTTGGGAAATCACACCAGCTCGTGGTCCAGCTTATGCAACAGCT
 GCCAAGCAAGGCCACGTCAATCTCACAGTGAAGCGTAAAGTGGTGTTTACGGTCCCAAAGCAGAGAACG
 AGGTGCCCTCACCAGCCTCATCGCACCACAGTAGCAACCAGCCAGCGTCCCTGACGGAAGAGAAGCGCAC
 ACCGCAGGGCAGCCAGAACTCGTGAACACCGTGAAGTGCAGGCAGCGGCAGCACCAGCGCATTGGCAGT
 GGTGGTGGCGGAGGCAGCGCGTGGTGAAGCGTGTGCTGCAGCCATATGATGTGGAGATTCGGCGTGGG
 AGAACGAGGGCTTTGGGTTTGTTCATCGTGTCTCCGTGAGCAGGCCCGAAGCGGGCACCACCTTCGCAGG
 CAATGATGTGTGGCTATGCCTCACAAAATAGGTCCGATTATTGAGGGGAGCCCTGCTGACCGCTGTGGC
 AAGCTGAAAAGTAGGAGACCGGATCTTGGCGGTAATGGATGTTCCATCACCAACAAATCCCATTCTGACA
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 TGCCCACTGCTGACTAATGCGGAGAAGATTGCCACCATCACCACCCTCATGCCCCCTCACAACAGGGG
 ACCCAGGAAACAAGGACCACCACCAACCAAGCCGGATTCTCAGTTTGGATTCAAAGGACCGCAGGCTA
 CACAGGAGCAAGATTTTACTGTGGAATTGGAAAGAGGAGCCAAGGGATTTGGCTTTAGTCTTCGAGG
 AGGGCAGAGTATAACATGGACCTTTATGTTCTGCGCTTAGCAGAGGATGGTCTGCAGAAAGATGCGGA
 AAGATGAGGATTGGCGATGAAATTTAGAGATCAATGGTGAAGCACCACAAAACATGAAACTCTCGGG
 CCATAGAAGTATCAAGAATGGCGGCCGACAGTCCGTCTGTTTCTGAGCGGGGAGACGGCTCGGTCCC
 AGAATATGGTGGTCAAACCTATGAAAACATCCCTTCTTCCCTGGCATGACTCCA TGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_001030045

Insert Size:

3768 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_001030045.1](#), [NP_001025216.1](#)

RefSeq Size: 3768 bp

RefSeq ORF: 3768 bp

Locus ID: 500261

UniProt ID: [Q4L1J4](#)

Cytogenetics: 4q34

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]