

Product datasheet for **SC322431**

MAGEB1 (NM_177415) Human Untagged Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | MAGEB1 (NM_177415) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | MAGEB1 |
| Synonyms: | CT3.1; DAM10; MAGE-Xp; MAGEL1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC (PS100020) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >OriGene sequence for SC322431
 GGCGGATTTGGGTGAGCAGGCGGAAGTCGTCCCAGGCTGCTAGATACTAAGGTGCCACAT
 CTCCTGCCTTTCTGCTCACTTTCTGCCTGTTTTGCCTGACCACAGCCATCATGCCTCGG
 GGTGAGAAGAGTAAGCTCCGTGCTCGTGAGAAACGCCCAAGGCGGAGAGGAGACCCAC
 TATCTCAAGGTTGCTCACGCCACTGCAGCAGAGAAAGAGGAGTGCCCTCCTCCTCCTCT
 GTTTTAGGGGATACTCCCAAGCTCCCTGCTGCTGGCATTCCCAGAAGCCTCAGGGA
 GCTCCACCCACCACCCTGCTGCTGACGCTGTGCATGTACCGAATCTGACGAAGGTGCC
 AAATGCCAAGGTGAGGAAAATGCAAGTTTCTCCAGGCCACAACATCCACTGAGAGCTCA
 GTCAAAGATCCTGTAGCCTGGGAGGCAGGAATGCTGATGCACTTCATTCTACGTAAGTAT
 AAAATGAGAGAGCCATTATGAAGGCAGATATGCTGAAGGTTGTTGATGAAAAGTACAAG
 GAGTACTTCACTGAGATCCTCAATGGAGCCTCTCGCCGCTTGGAGCTCGTCTTTGGCCTT
 GATTTGAAGGAAGACAACCCTAGTGGCCACACCTACACCCTCGTCAGTAAGCTAAACCTC
 ACCAATGATGGAAACCTGAGCAATGATTGGGACTTTCCAGGAATGGGCTTCTGATGCCT
 CTCCTGGGTGTGATCTTCTAAAGGGCAACTCTGCCACCGAGGAAGAGATCTGGAATTC
 ATGAATGTGTTGGGAGCCTATGATGGAGAGGAGCACTTAATCTATGGGGAACCCGTAAG
 TTCATCACCCAAGATCTGGTGCAGGAAAAATATCTGAAGTACGAGCAGGTGCCCAACAGT
 GATCCCCCAGCTATCAATTCCTATGGGGTCCGAGAGCCTATGCTGAAACCACCAAGATG
 AAAGTCTCGAGTTTTGGCCAAGATGAATGGTGCCACTCCCCGTGACTCCCATCCCAT
 TATGAAGAGGCTTTGAGAGATGAGGAAGAGAGAGCCCAAGTCCGATCCAGTGTTAGAGCC
 AGGCGTCGCACTACTGCCACGACTTTTAGAGCGCGTCTAGAGCCCCATTCAGCAGGTCC
 TCCCACCCATGTGAGAACTCAGGCAGATTGTTCACTTTGTTTTGTGGCAAGATGCCAA
 CCTTTTGAAGTAGTGAGCAGCCAAGATATGGCTAGAGAGATCATCATATATATCTCCTTT
 GTGTTCTGTAAACATTAGTATCTTTCAAGTGTTTTTCTTTTAAAGAATGTTTTATTTA
 GAGTTGGGATCTATGTCTATGAGCGACATGGATCACACATTTATTGGTGTGCCAGCTTT
 AAGCATAAGAGTTTTGATATTCTATATTTTTCAAATCCTGAATCTTTTTGGGTTGAAG
 AAGAAGAAAGCATAGCTTTAGAATAGAGATTTTCTCAGAAATGTGTGAAAGAACCCTCACA
 CAACATAATTGGAGTCTTAAATAGAGGAAGAGTAAGCAAAGCATGTCAAGTTTTTGT
 TCTGCATTCAAGTTTTGTTTTGTAAAATCCAAAGATACATACCTGGTTGTTTTAGCCTT
 TTCAAGAATGCAGATAAAATAAATAGTAATAAATTAATAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_177415

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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_177415.1](#), [NP_803134.1](#)

RefSeq Size: 1782 bp

RefSeq ORF: 1044 bp

Locus ID: 4112

UniProt ID: [P43366](#)

Cytogenetics: Xp21.2

Gene Summary: This gene is a member of the MAGEB gene family. The members of this family have their entire coding sequences located in the last exon, and the encoded proteins show 50 to 68% sequence identity to each other. The promoters and first exons of the MAGEB genes show considerable variability, suggesting that the existence of this gene family enables the same function to be expressed under different transcriptional controls. This gene is localized in the DSS (dosage-sensitive sex reversal) critical region, and expressed in testis and in a significant fraction of tumors of various histological types. This gene and other MAGEB members are clustered on chromosome Xp22-p21. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene, however, the full length nature of some variants has not been defined. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (3) lacks an exon in the 5' region, as compared to variant 1. Variants 1, 2 and 3 all have the same last exon and encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.