

Product datasheet for **SC122626**

MAGEB4 (NM_002367) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAGEB4 (NM_002367) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAGEB4
Synonyms:	CT3.6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_002367 edited
AGGATTTTCATTTGCTCTTCTCCAGGAACCATCACCTGCCCTTCTGCCTACACTCCTGC
CTGCTGTGCCTAACCCACAGCCATCATGCCTCGGGGTGAGAAGAGTAAGCTCCGTGCCCGT
GAGAAACGCCAGCGGACCCGTGGTCAGACCCAGGATCTCAAGGTTGGTCAGCCTACTGCA
GCAGAGAAAGAAGAGTCTCCTTCCCCTTCTCATCTGTTTTGAGGGATACTGCCTCCAGC
TCCCTTGGCTTTTGGCATTCCCCAGGAGCCTCAGAGAGAGCCACCACCACCTCTGCTGCT
GCAGCTATGTCATGCACCTGGATCTGATAAAGGCGACGAGAGCCAAGATGAGGAAAATGCA
AGTTCCTCCCAGGCCTCAACATCCACTGAGAGATCACTCAAAGATTCTCTAACCCAGGAAG
ACGAAGATGTTAGTGCAGTTCCTGCTGTACAAGTATAAAATGAAAGAGCCCACTACAAAAG
GCAGAAAATGCTGAAGATCATCAGCAAAAAGTACAAGGAGCACTTCCCTGAGATCTTCAGG
AAAGTCTCTCAGCGCACGGAGCTGGTCTTTGGCCTTGCCTTGAAGGAGGTCAACCCACC
ACTCACTCTACATCCTCGTCAGCATGCTAGGCCCAACTATGAAAACCAGAGCAGTGCC
TGGACCCTTCCAAGGAATGGGCTTCTGATGCCTCTACTGAGTGTGATCTTCTAAATGGC
AACTGTGCCCGTGAAGAGGAAAATCTGGGAATCCTGAATATGCTGGGGATCTATGATGGA
AAGAGGCACCTTATCTTTGGGGAACCCCGAAAGCTCATACCCAAGATCTGGTGCAGGAA
AAATATCTGGAATACCAGCAGGTGCCCAACAGTATCCCCACCGTATCAATTCCTGTGG
GGTCCAAGAGCTCATGCAGAAAACAGCAAGATGAAAGTCCCTGGAGTTTTTGGCCAAGGTG
AATGACACCACCCCAATAAATTCCCCTCCTTTATGAAGAGGCTTTGAGAGATGAAGAA
GAGAGAGCTGGAGCCCGGCCAGAGTTGCAGCCAGGCGTGGCACTACAGCCATGACTAGT
GCGTATTCAGGGCCACATCCAGTAGCTCTTCCAACCCATGTGAGATCTAAGGCAAAAT
GTTCACTTTGTGGTTGAAAGACCTGCTGCTTTCTCTGTTCTGTGATGCATGAATAACTC
ATTCAGAATATAAATTTAGAAAATGGCATGCATCACACATTTATTGCTGTTTATCAGGTTG
GTTTAGTGATAATAATTTTGTGTTTTGAAATACAAATAGAAAATCCTGAAAATAATTTTGT
GATACAGAGCAAAAATAACACGGCATGGGAGTAAGGTTATCCTTAGAAAATTTAAAATAACT
CCACAGTAAAATAGGTAGAATCTGAAGATAGAAAAGGGAAGAAAAGTAAAAGTTGCTTTAT
TCGTGGTTTGTCTTACTCAGTTCAGTCTTTTTTTGCTCATAAAATTTAAAAGTTACATAAC
TGGTTTGTCTTAGATTATCAAGAATGTGGAGGCCTGGGCCAAGGTCAATGACAGTGTCTC
CATTGTCTTCCCTCCATTAAGAGAAGACTTTAAGAGATGAGGGAGAGAGAGCCAGAGACA
GTGTTGCAACTGGGCTGGCATGTTTCAGTGTGGTGTCCAGCAGTGTCTCCCACTCCTTG
TGAAGTCTGAGGTATATTCTTTACTTTTTGATTAAGAAAACACTTAACCTTCTAATTAATG
GAGAGCCAAAGGGGAGTTGGTGGGAACACCATGTATAACATATTTGTATGTAATAATGATT
TATCTTTTCTTTTTCTGTTTTTTCAGTGTCTTTTTTTAAATTGTAGATTTATTTAGTTT
CAGAATCTAAGTTTATGAATGGCATGAATCACTCATTTATTTAAAATATATCAGGTTGGAG
AGTGAGAAATTTTGCATTATGTAACAATTTAAAATCTTTTAAAGTCTTTTTCTGTGAT
CTAGAACAAGATAATATGGCATTGGAATATGGAATTTGTGAAAAGGAAAATTACCTTGCAA
TAAAGTTGGTGGGACCAGGAAGTAGAGAAAAAAAAGTAAAAAAAAGGAAAAA

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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_002367 unedited CACTCAGGATTTGTATACGACTCATATAGGCCGCCGCATAAATTTCGTATAGCATACATTA TACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGCGAGAGCGGAGGATTT CATTTGCTCTTCTCCAGGAACCATCACCTGCCCTTCTGCCTACACTCCTGCCTGCTGT GCCTAACACAGCCATCATGCCTCGGGGTCAGAAGAGTAAGCTCCGTGCCCGTGAGAAAC GCCAGCGGACCCGTGGTCAGACCAGGATCTCAAGGTTGGTCAGCCTACTGCAGCAGAGA AAGAAGAGTCTCCTTCCCCTTCCCTCATCTGTTTTGAGGGATACTGCCTCCAGCTCCCTTG CTTTTGGCATTCCCAGGAGCCTCAGAGAGAGCCACCCACCCTCTGCTGCTGCAGCTA TGTCATGCACTGGATCTGATAAAGGCGACGAGAGCCAAGATGAGGAAAATGCAAGTTCCT CCCAGGCCTCAACATCCACTGAGAGATCACTCAAAGATTCTAACCCAGGAAGACGAAGA TGTTAGTGCAGTTCCTGCTGTACAAGTATAAAATGAAAGAGCCCACTACAAAGGCAGAAA TGCTGAAGATCATCAGCAAANAGTACAAGGAGCACTTCCCTGAGATCTTCANGAAAGTCT CTCAGCGCACGGAGCTGGTCTTTGGCCTTGCTTGANAGAGGTCAACCCCACTCACT CCTACATCCTCGTCAGCATGCTAGGCCCAACTATGGAACCAGAGCAGTGCCTGGACCC TTTCCAGGAATGGGCTCCTGATGCCTCTACTGAGTGTGATCCTCTTAATGGCACCTGTGC CCGTGAAGAGGAAATTGGGGATTCCCTGATATGCTGGGGATCTTTGATGGAAGAAGCAC CTTATCTTGGGGGAACCCCGAAG
Restriction Sites:	Please inquire
ACCN:	NM_002367
Insert Size:	2159 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:	<ol style="list-style-type: none">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_002367.2 , NP_002358.1
RefSeq Size:	2142 bp
RefSeq ORF:	1041 bp
Locus ID:	4115
UniProt ID:	O15481
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. The MAGEB genes are clustered on chromosome Xp22-p21. This gene sequence ends in the first intron of MAGEB1, another family member. This gene is expressed in testis. [provided by RefSeq, Jul 2008]