

Product datasheet for **RG224906**

MAGEB1 (NM_177404) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAGEB1 (NM_177404) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MAGEB1
Synonyms:	CT3.1; DAM10; MAGE-Xp; MAGEL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG224906 representing NM_177404 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGCCTCGGGT**CAGAAGAGTAAGCTCCGTGCTCGTGAGAAACGCCGCAAGGCGGAGAGGAGACCCACT**
ATCTCAAGGTTGCTCACGCCACTGCAGCAGAGAAAGAGGAGTGCCCTCCTCCTCTCTGTTTTAGGGGA
TACTCCACAAGCTCCCCTGCTGCTGGCATTCCCAGAAGCTCAGGGAGCTCCACCCACCACCCTGCT
GCTGCAGCTGTGCATGTACCGAATCTGACGAAGGTGCCAAATGCCAAGGTGAGGAAAATGCAAGTTCT
CCCAGGCCACAACATCCACTGAGAGCTCAGTCAAAGATCCTGTAGCCTGGGAGGCAGGAATGCTGATGCA
TTTCATTTACGTAAGTATAAAATGAGAGAGCCATTATGAAGGCAGATATGCTGAAGGTTGTTGATGAA
AAGTACAAGGAGTACTTCACTGAGATCCTCAATGGAGCCTCTCGCCGCTTGGAGCTCGTCTTTGGCCTTG
ATTTGAAGGAAGACAACCCTAGTGGCCACACCTACACCCTCGTCAGTAAGCTAAACCTCACCAATGATGG
AAACCTGAGCAATGATTGGGACTTTCCAGGAATGGGCTTCTGATGCCTCTCCTGGGTGTGATCTTCTTA
AAGGGCAACTCTGCCACCGAGGAAGAGATCTGAAATTCATGAATGTGTTGGGAGCCTATGATGGAGAGG
AGCACTTAATCTATGGGGAACCCGTAAGTTCATCACCAAGATCTGGTGAGGAAAAATATCTGAAGTA
CGAGCAGGTGCCAACAGTGATCCCCACGCTATCAATTCCTATGGGGTCCGAGAGCCTATGCTGAAACC
ACCAAGATGAAAGTCCTCGAGTTTTGGCCAAGATGAATGGTGCCACTCCCCGTGACTTCCCATCCCATT
ATGAAGAGGCTTTGAGAGATGAGGAAGAGAGGCCAAAGTCCGATCCAGTGTTAGAGCCAGGCGCTCGCAC
TACTGCCACGACTTTTAGAGCGGTTCTAGAGCCCCATTAGAGGCTCTCCACCCCATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG224906 representing NM_177404
Red=Cloning site Green=Tags(s)

MPRGQKSKLRAREKRRKAREETHYLKVAHATAAEKEECPSSSPVLGDTPTSSPAAGIPQKPQGAPPTTTA
 AAAVSCTESDEGAKCQGEENASFQATTSTESSVKDPVAWEAGMLMHFILRKYKMREPIMKADMLKVVDE
 KYKEYFTEILNGASRRLLELVFGLDLKEDNPSGHTYTLVSKLNLNDGNLSNDWDFPRNGLLMPLLVIFL
 KGNSATEEEIWKFMNVLGAYDGEELIYGEPKFKITQDLVQEKYLKYEQVPNSDPPRYQFLWGPRAAET
 TKMKVLEFLAKMNGATPRDFPSHYEALRDEEERAQVRSSVRARRRTTATFRARSRAPFSRSSHPM

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_177404

ORF Size: 1041 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_177404.1](#), [NP_796379.1](#)

RefSeq Size: 1722 bp

RefSeq ORF: 1044 bp

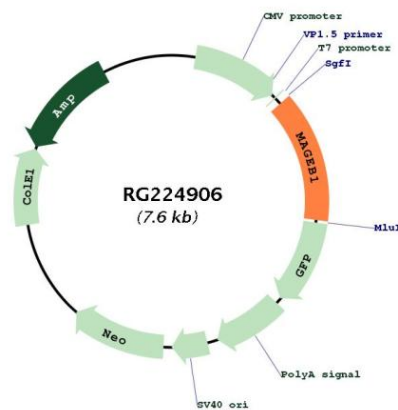
Locus ID: 4112

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]

Product images:



Circular map for RG224906