

Product datasheet for **RG209603**

MAGEB6 (NM_173523) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAGEB6 (NM_173523) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MAGEB6
Synonyms:	CT3.4; MAGE-B6; MAGEB6A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209603 representing NM_173523 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTCGGGTCACAAGAGTAAGCTCCGTACCTGTGAGAAACGCCAAGAGACCAATGGTCAGCCACAGG
GTCTCACGGTCCCAGGCCACTGCAGAGAAGCAGGAAGAGTCCCCTCTCCTCATCCTCTTCGCGC
TTGTCTGGGTGATTGTCGTAGGTCTTCTGATGCCTCCATTCTCAGGAGTCTCAGGGAGTGCACCCACT
GGGTCTCCTGATGCAGTTGTTTCATATTCAAAATCCGATGTGGCTGCCAACGGCCAAGATGAGAAAAGTC
CAAGCACCTCCCCTGATGCCTCCGTTCCCTCAGGAGTCTCAGGGAGCTTCACCCACTGGCTCTCCTGATGC
AGGTGTTTCAGGCTCAAATATGATGTGGCTGCCAACGGCCAAGATGAGAAAAGTCCAAGCACTCCCAT
GATGTCTCCGTTCCCTCAGGAGTCTCAGGGAGCTTCACCCACTGGCTCGCCTGATGCAGGTGTTTCAGGCT
CAAATATGATGTGGCTGCCGAGGGTGAAGATGAGGAAAGTGAAGCGCCTCACAGAAAGCCATCATTTT
TAAGCGCTTAAGCAAAGATGCTGTAAAGAAGAAGGCGTGCACGTTGGCGCAATCCTGCAGAAGAAGTTT
GAGAAGAAAGAGTCCATTTTGAAGGCAGACATGCTGAAGTGTGTCGCAGAGAGTACAAGCCCTACTTCC
CTCAGATCCTCAACAGAACCTCCAACATTTGGTGGTGGCCTTTGGCGTTGAATTGAAAGAAATGGATTC
CAGCGCGGAGTCTACACCCTTGTGAGCAAGCTAGGCCTCCCAAGTGAAGGAATCTGAGTGGTGATAAT
GCGCTGCCGAAGTCGGGTCTCCTGATGTCGCTCCTGGTTGTGATCTTCATGAACGGCAACTGTGCCACTG
AAGAGGAGGTCTGGGAGTTCCTGGGTCTGTTGGGGATATATGATGGATCCTGCATTCAATCTATGGGGA
TGCTCGGAAGATCATTACTGAAGATTTGGTGAAGATAAGTACGTGGTTTACCGGAGGTGTGCAACAGT
GATCCTCCATGCTATGAGTTCCTGTGGGTCCACGAGCCTATGCTGAAACCACCAAGATGAGAGTCTGCTG
GTGTTTTGGCCGACAGCAGTAACACCAGTCCCGTTTATACCCACATCTGTATGAAGACGCTTTGATAGA
TGAGGTAGAGAGACATTGAGACTGAGAGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG209603 representing NM_173523
 Red=Cloning site Green=Tags(s)

MPRGHKSRLRTCEKRQETNGQPQGLTGPQATAEKQEESHSSSSSRACLGDCRRSSDASIPQESQGVSP
 GSPDAVVSYSKSDVAANGQDEKSPSTRDASVPQESQASPTGSPDAGVSGSKYDVAANGQDEKSPSTSH
 DVSVPQESQASPTGSPDAGVSGSKYDVAAGEDEEESVSASQKAIIFKRLSKDAVKKKACTLAQFLQKFF
 EKKESILKADMLKCVRREYKPYFPQILNRTSQHLVVAFGVELKEMDSSGESYTLVSKLGLPSEGILSGDN
 ALPKSGLLMSLLVVIIFMNGNCATEEEVWEFLGLLGIYDGLHSIYGDARKIITEDLVQDKYVVYRQVCNS
 DPPCYEFLWGPRAAETTKMRVLRVLADSSNTSPGLYPHLYEDALIDEVERALRLRA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173523

ORF Size: 1221 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_173523.2](#), [NP_775794.2](#)

RefSeq Size: 1949 bp

RefSeq ORF: 1224 bp

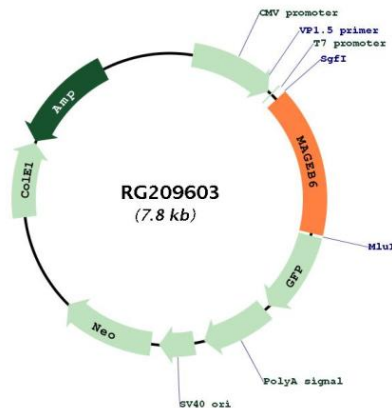
Locus ID: 158809

UniProt ID: [Q8N7X4](#)

Cytogenetics: Xp21.3

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 expressed in testis, and in a significant fraction of tumors of various histological types. The MAGEB genes are clustered on chromosome Xp22-p21. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG209603