

Product datasheet for **RG223638**

MAGEA10 (NM_021048) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	MAGEA10
Synonyms:	CT1.10; MAGE10
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG223638 representing NM_021048
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCTCGAGCTCCAAAGCGTCAGCGCTGCATGCCTGAAGAAGATCTTCAATCCCAAAGTGAGACACAGG
GCCTCGAGGGTGCACAGGCTCCCTGGCTGTGGAGGAGGATGCTTCATCATCCACTTCCACAGCTCCTC
TTTCCATCCTCTTTCCCTCCTCCTCTTCTCCTCCTCCTGCTATCCTCTAATACCAAGCACC
CCAGAGGAGGTTTCTGCTGATGATGAGACCAAAATCCTCCCAGAGTGCTCAGATAGCCTGCTCCTCCC
CCTCGGTGTTGCTTCCCTTCCATTAGATCAATCTGATGAGGGCTCCAGCAGCCAAAAGGAGGAGAGTCC
AAGCACCTACAGGTCCTGCCAGACAGTGAGTCTTACCCAGAAGTGAGATAGATGAAAAGGTGACTGAT
TTGGTGCAGTTTCTGCTCTTCAAGTATCAAATGAAGGAGCCGATCACAAGGCAGAAATACTGGAGAGTG
TCATAAAAAATTATGAAGACCACTTCCCTTTGTTGTTAGTGAAGCCTCCGAGTGCATGCTGCTGGTCTT
TGGCATTGATGTAAGGAAGTGGATCCCACTGGCCACTCCTTTGTCTTGTACCTCCCTGGGCCTCACC
TATGATGGGATGCTGAGTGATGCCAGAGCATGCCAAGACTGGCATTCTCATACTTATCCTAAGCATAA
TCTTCATAGAGGGCTACTGCACCCCTGAGGAGGTCACTGGAAGCACTGAATATGATGGGGCTGTATGA
TGGGATGGAGCACCTCATTTATGGGGAGCCAGGAAGCTGCTACCCAAGATTGGGTGCAGGAAAACACTAC
CTGGAGTACCGGACAGGTCCCTGGCAGTGATCCTGCACGGTATGAGTTTCTGTGGGGTCCAAGGGCTCATG
CTGAAATTAGGAAGATGAGTCTCCTGAAATTTTGGCCAAGGTAATGGGAGTGATCCAAGATCCTTCCC
ACTGTGGTATGAGGAGGCTTTGAAAGATGAGGAAGAGAGAGCCAGGACAGAATTGCCACCACAGATGAT
ACTACTGCCATGGCCAGTGCAAGTTCTAGCGCTACAGGTAGCTTCTCCTACCCTGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



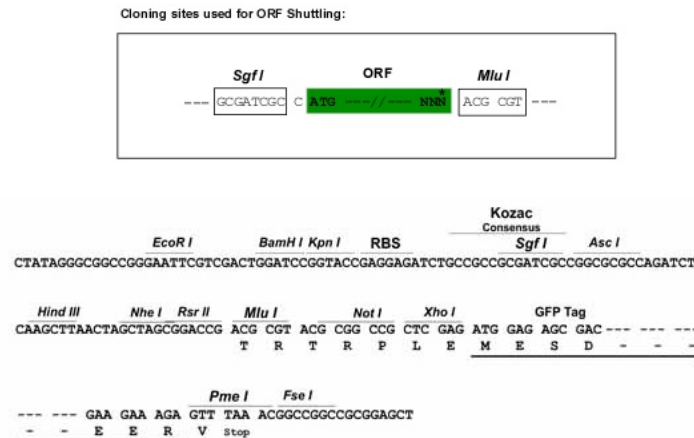
Protein Sequence: >RG223638 representing NM_021048
Red=Cloning site Green=Tags(s)

MPRAPKRQRCMPEEDLQSQSETQGLEGAQAPLAVEEDASSSTSTSSSPSSPSSSSSSSSSCYPLIPST
PEEVSADDETPNPPQSAQIACSSPSVVASLPLDQSDGSSSQKEESPSTLQVLPDSESLPRSEIDEKVTD
LVQFLLFKYQMKEPITKAEILESVIKNYEDHFPLLSEASECMLLVFGIDVKEVDPTGHSFVLVTSGLT
YDGM LSDVQSMPKTGILILILSIIFIEGYCTPEEVIWEALNMMGLYDGMHLIYGEPRKLLTQDWVQENY
LEYRQVPGSDPARYEFLWGPRAHAEIRKMSLLKFLAKVNGSDPRSFLWYEEALKDEEERAQDRIATTDD
TTAMASASSSATGSFSYPE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_021048

ORF Size: 1107 bp

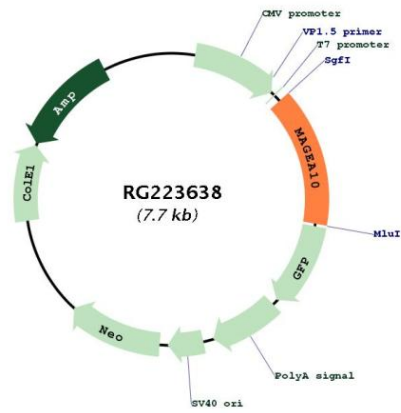
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_021048.3 , NP_066386.1
RefSeq Size:	1519 bp
RefSeq ORF:	1110 bp
Locus ID:	4109
UniProt ID:	P43363
Cytogenetics:	Xq28
Gene Summary:	This gene is a member of the MAGEA gene family. The members of this family encode proteins with 50 to 80% sequence identity to each other. The promoters and first exons of the MAGEA genes show considerable variability, suggesting that the existence of this gene family enables the same function to be expressed under different transcriptional controls. The MAGEA genes are clustered at chromosomal location Xq28. They have been implicated in some hereditary disorders, such as dyskeratosis congenita. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the downstream melanoma antigen family A, 5 (MAGEA5) gene.[provided by RefSeq, Oct 2011]

Product images:



Circular map for RG223638