

Product datasheet for **RG233896**

MAGEA10 (NM_001251828) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAGEA10 (NM_001251828) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MAGEA10
Synonyms:	CT1.10; MAGE10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG233896 representing NM_001251828 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCCTCGAGCTCCAAGCGTCAGCGCTGCATGCCTGAAGAAGATCTTCAATCCCAAAGTGAGACACAGG
 GCCTCGAGGGTGACAGGCTCCCTGGCTGTGGAGGAGGATGCTTCATCATCCACTTCCACCAGCTCCTC
 TTTCCATCCTCTTTCCCTCCTCCTCTTCTCCTCCTCCTGCTATCCTCTAATACCAAGCACC
 CCAGAGGAGGTTTCTGCTGATGATGAGACACCAAATCCTCCCGAGGTGCTCAGATAGCCTGCTCCTCCC
 CCTCGGTCGTTGCTTCCCTTCCATTAGATCAATCTGATGAGGGCTCCAGCAGCCAAAAGGAGGAGAGTCC
 AAGCACCTACAGGTCTGCCAGACAGTGAGTCTTTACCCAGAAGTGAGATAGATGAAAAGTGACTGAT
 TTGGTGCAGTTTCTGCTCTTCAAGTATCAAATGAAGGAGCCGATCACAAAGGCAGAAATACTGGAGAGTG
 TCATAAGAAATTATGAAGACCACTTCCCTTTGTTGTTTAGTGAAGCCTCCGAGTGCATGCTGCTGGTCTT
 TGGCATTGATGTAAAGGAAGTGGATCCCACTGGCCACTCCTTTGTCTTGTACCTCCCTGGGCCTCACC
 TATGATGGGATGCTGAGTGATGTCCAGAGCATGCCAAGACTGGCATTCTCATACTTATCCTAAGCATAA
 TCTTCATAGAGGGCTACTGCACCCTGAGGAGGTATCTGGGAAGCACTGAATATGATGGGGCTGTATGA
 TGGGATGGAGCACCTCATTTATGGGGAGCCAGGAAGCTGCTCACCAAGATTGGGTGCAGGAAAACCTAC
 CTGGAGTACCGGCAGGTGCCTGGCAGTGATCCTGCACGGTATGAGTTTCTGTGGGTCCAAGGGCTCATG
 CTGAAATTAGGAAGATGAGTCTCCTGAAATTTTGGCCAAGGTAATGGGAGTGATCCAAGATCCTTCCC
 ACTGTGGTATGAGGAGGCTTTGAAAGATGAGGAAGAGAGAGCCAGGACAGAATTGCCACCACAGATGAT
 ACTACTGCCATGGCCAGTGCAAGTTCTAGCGCTACAGGTAGCTTCTCCTACCCTGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG233896 representing NM_001251828
 Red=Cloning site Green=Tags(s)

MPRAPKRQRCMPPEEDLQSQSETQGLEGAQAPLAVEEDASSSTSTSSSFSSFPSSSSSSSSSSCYPLIPST
 PEEVSADDETPNPPQSAQIACSSPSVVASLPLDQSDGSSSQKEESPSTLQVLPDSESLPRSEIDEKVTD
 LVQFLLFKYQMKEPITKAEILESIRNYEDHFPLLFSEASECMLLVFGIDVKEVDPTGHSFVLVTSGLT
 YDGM LSVQSM PKTGILILILSIIFIEGYCTPEEVIWEALNMMGLYDGM EHLIYGEPRKLLTQDWVQENY
 LEYRQVPGSDPARYEFLWGPRAHAEIRKMSLLKFLAKVNGSDPRSFPLWYEEALKDEEERAQDRIATTDD
 TTAMASASSSATGSFSYPE

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001251828

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.

RefSeq: [NM_001251828.1](#), [NP_001238757.1](#)

RefSeq Size: 2687 bp

RefSeq ORF: 1110 bp

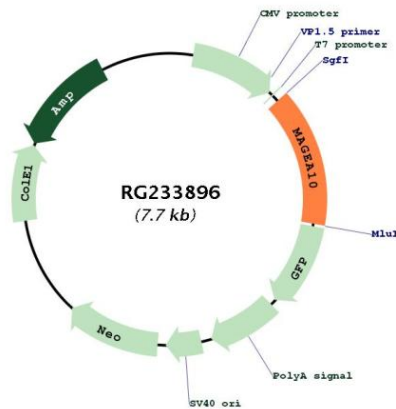
Locus ID: 4109

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 RG233896