OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG215355

MAGEA2 (MAGEA2B) (NM_153488) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAGEA2 (MAGEA2B) (NM_153488) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MAGEA2
Synonyms:	CT1.2; MAGE2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG215355 representing NM_153488
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCTCTTGAGCAGAGGAGTCAGCACTGCAAGCCTGAAGAAGGCCTTGAGGCCCGAGGAGAGGCCCTGG
GCCTGGTGGGTGCGCAGGCTCCTGCTACTGAGGAGCAGCAGACCGCTTCTTCCTCTTCTACTCTAGTGGA
AGTTACCCTGGGGGAGGTGCCTGCTGCCGACTCACCGAGTCCTCCCCACAGTCCTCAGGGAGCCTCCAGC
TTCTCGACTACCATCAACTACACTCTTTGGAGACAATCCGATGAGGGCTCCAGCAACCAAGAAGAGGAGG
GGCCAAGAATGTTTCCCGACCTGGAGTCCGAGTTCCAAGCAGCAATCAGTAGGAAGATGGTTGAGTTGGT
TCATTTTCTGCTCCTCAAGTATCAAGCCAGGGAGCCGGTCACAAAGGCAGAAATGCTGGAGAGTGTCCTC
AGAAATTGCCAGGACTTCTTTCCCGTGATCTTCAGCAAAGCCTCCGAGTACTTGCAGCTGGTCTTTGGCA
TCGAGGTGGTGGAAGTGGTCCCCATCAGCCACTTGTACATCCTTGTCACCTGCCTGGGCCTCTCCTACGA
TGGCCTGCTGGGCGACAATCAGGTCATGCCCAAGACAGGCCTCCTGATAATCGTCCTGGCCATAATCGCA
ATAGAGGGCGACTGTGCCCCTGAGGAGAAAATCTGGGAGGAGCTGAGTATGTTGGAGGTGTTTGAGGGGA
GGGAGGACAGTGTCTTCGCACATCCCAGGAAGCTGCTCATGCAAGATCTGGTGCAGGAAAACTACCTGGA
GTACCGGCAGGTGCCCGGCAGTGATCCTGCATGCTACGAGTTCCTGTGGGGTCCAAGGGCCCTCATTGAA
ACCAGCTATGTGAAAGTCCTGCACCATACACTAAAGATCGGTGGAGAACCTCACATTTCCTACCCACCCC
TGCATGAACGGGCTTTGAGAGAGGGAGAAGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

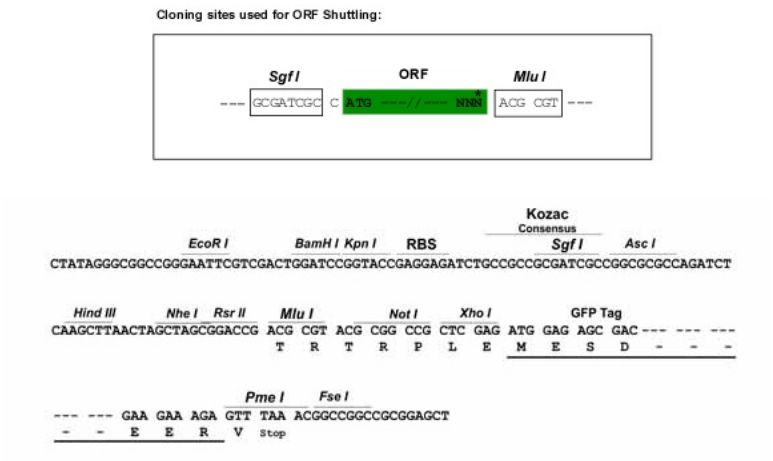
>RG215355 representing NM_153488
Red=Cloning site Green=Tags(s)

MPLEQRSQHCKPEEGLEARGEALGLVGAQAPATEEQQTASSSSTLVEVTLGEVPAADSPSPPHSPQGASS
FSTTINYTLWRQSDEGSSNQEEEGPRMFPDLESEFQAAISRKMVELVHFLLLKYQAREPVTKAEMLESVL
RNCQDFFPVIFSKASEYLQLVFGIEVVEVVPISHLYILVTCLGLSYDGLLGDNQVMPKTGLLIIVLAIIA
IEGDCAPEEKIWEELSMLEVFEGREDSVFAHPRKLLMQDLVQENYLEYRQVPGSDPACYEFLWGPRALIE
TSYVKVLHHTLKIGGEPHISYPPLHERALREGEE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_153488

ORF Size: 942 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_153488.3, NP_705692.1

RefSeq Size: 1629 bp

RefSeq ORF: 945 bp

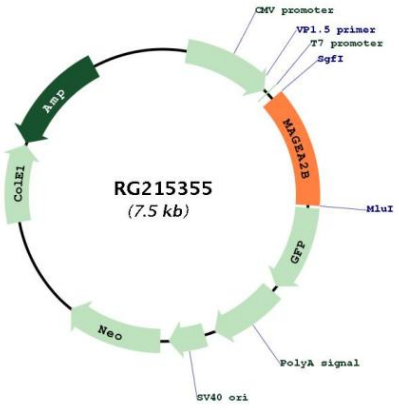
Locus ID: 266740

UniProt ID: P43356

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. This gene has two identical copies at different loci. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG215355