

Product datasheet for **RG223578**

MAGEA6 (NM_005363) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | MAGEA6 (NM_005363) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | MAGEA6 |
| Synonyms: | CT1.6; MAGE-3b; MAGE3B; MAGE6 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG223578 representing NM_005363 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTTTGAGCAGAGGAGTCAGCACTGCAAGCCTGAAGAAGGCCTTGAGGCCCGAGGAGGCCCTGG
GCCTGGTGGGTGCGCAGGCTCCTGCTACTGAGGAGCAGGAGGCTGCCTCCTCCTTCTACTCTAGTTGA
AGTCACCCTGGGGAGGTGCCTGCTGCCGAGTCACCAGATCCTCCCAGAGTCTCAGGGAGCCTCCAGC
CTCCCCACTACCATGAACTACCCTCTCTGGAGCCAATCCTATGAGGACTCCAGCAACCAAGAAGAGGAGG
GGCCAAGCACCTCCCTGACCTGGAGTCTGAGTCCAAGCAGCACTCAGTAGGAAGTGGCCAAGTTGGT
TCAATTTCTGCTCCTCAAGTATCGAGCCAGGGAGCCGGTCACAAAGGCAGAAATGCTGGGGAGTGTCTGTC
GGAAATTGGCAGTACTTCTTTCCTGTGATCTTCAGCAAAGCTTCCGATTCCTTGCAGCTGGTCTTTGGCA
TCGAGCTGATGGAAGTGGACCCCATCGGCCACGTGACATCTTTGCCACCTGCCTGGGCCTCTCCTACGA
TGGCCTGCTGGGTGACAATCAGATCATGCCAAGACAGGCTTCTGATAATCATCCTGGCCATAATCGCA
AAAGAGGGCGACTGTGCCCTGAGGAGAAAATCTGGGAGGAGCTGAGTGTGTTAGAGGTGTTGAGGGGA
GGGAAGACAGTATCTTCGGGGATCCCAAGAAGCTGCTCACCAATATTTCTGTCAGGAAAACCTACCTGGA
GTACCGGCAGGTCCCCGGCAGTATCCTGCATGCTATGAGTTCCTGTGGGGTCCAAGGGCCCTCATTGAA
ACCAGCTATGTGAAAGTCTGCACCATATGGTAAAGATCAGTGGAGGACCTCGCATTTCTACCCACTCC
TGCATGAGTGGCTTTGAGAGAGGGGAAGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG223578 representing NM_005363
 Red=Cloning site Green=Tags(s)

MPLEQRSQHCKPEEGLEARGEALGLVGAQAPATEEQEAASSSTLVEVTLGEVPAESPDPQPQSGASS
 LPTTMNYPLWSQSYEDSSNQEEEGPSTFPDLESEFQAALSRKVAKLVHFLLLKYRAREPVTKAEMLGSVV
 GNWQYFFPVIFSKASDSLQLVFGIELMEVDPIGHVYIFATCLGLSYDGLLDGNQIMPKTGFLIIILAIIA
 KEGDCAPEEKIWEELSVLEVFEGREDSIFGDPKLLTQYFVQENYLEYRQVPGSDPACYEFLWGPRALIE
 TSYVKVLHHMVKISGGPRISYPLLHEWALREGEE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_005363

ORF Size: 942 bp

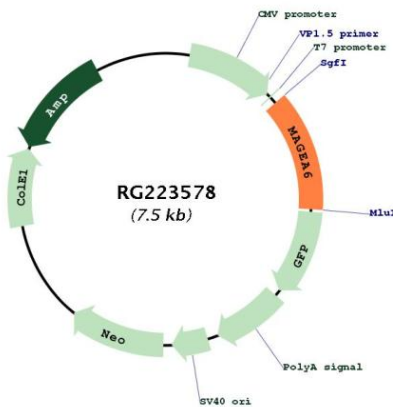
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_005363.3](#)
- RefSeq Size:** 1723 bp
- RefSeq ORF:** 945 bp
- Locus ID:** 4105
- UniProt ID:** [P43360](#)
- 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. [provided by RefSeq, Aug 2013]

Product images:



Circular map for RG223578