

Product datasheet for **RC231724**

MAGEA5 (MAGEA10-MAGEA5) (NM_001204811) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MAGEA5 (MAGEA10-MAGEA5) (NM_001204811) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: MAGEA5
Synonyms: CT1.5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC231724 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCTCTTGAGCAGAAGAGTCAGCACTGCAAGCCTGAGGAAGGCCTTGACACCCAAGAAGAGGCCCTGG
GCCTGGTGGGTGTGCAGGCTGCCACTACTGAGGAGCAGGAGGCTGTGTCTCCTCCTCCTCTGGTCCC
AGGCACCTGGGGAGGTGCCTGCTGCTGGGTACCAGGCTCTCAAGAGTCTCAGGGAGCCTCCGCC
ATCCCCACTGCCATCGATTTCACTCTATGGAGGCAATCCATTAAGGGCTCCAGCAACCAAGAAGAGGAGG
GGCCAAGCACCTCCCCTGACCCAGAGTCTGTGTTCCGAGCAGCACTCAGTAAGAAGTGGCTGACTTGAT
TCATTTTCTGCTCCTCAAGTAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231724 protein sequence
Red=Cloning site Green=Tags(s)

MSLEQKSQHCKPEEGLDTQEEALGLVGVAATTEEQEAVSSSSPLVPGTLGEVPAAGSPGPLKSPQGASA
IPTAIDFTLWRQSIKSSNQEEEPSTSPDPESVFRAALSKKVADLIHFLLLKY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6457_d05.zip

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001204811

ORF Size: 372 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_001204811.3](#)

RefSeq Size: 1873 bp

RefSeq ORF: 375 bp

Locus ID: 100533997

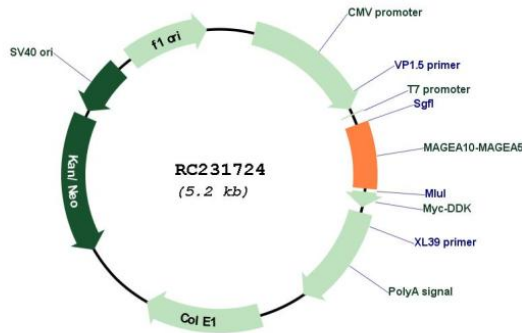
UniProt ID: [P43359](#)

Cytogenetics: Xq28

MW: 13 kDa

Gene Summary: This locus represents naturally occurring read-through transcription between the neighboring MAGEA10 (melanoma antigen family A, 10) and MAGEA5 (melanoma antigen family A, 5) genes on chromosome X. The read-through transcript is predicted to encode the downstream gene product. [provided by RefSeq, Mar 2011]

Product images:



Circular map for RC231724