

Product datasheet for RG231724

OriGene Technologies, Inc.

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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: TurboGFP

Symbol: MAGEA10-MAGEA5

Synonyms: CT1.5

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG231724 representing NM_001204811
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

TCATTTTCTGCTCCTCAAGTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG231724 representing NM_001204811

Red=Cloning site Green=Tags(s)

MSLEQKSQHCKPEEGLDTQEEALGLVGVQAATTEEQEAVSSSSPLVPGTLGEVPAAGSPGPLKSPQGASA

 ${\tt IPTAIDFTLWRQSIKGSSNQEEEGPSTSPDPESVFRAALSKKVADLIHFLLLKY}$

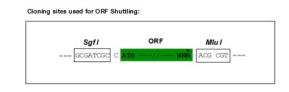
TRTRPLE - GFP Tag - V

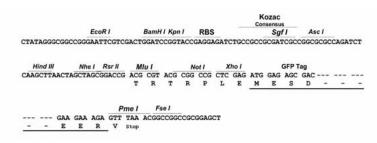
Restriction Sites: Sgfl-Mlul



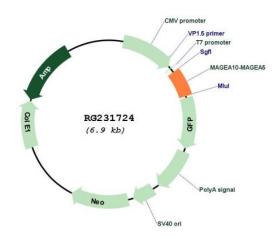


Cloning Scheme:





Plasmid Map:



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



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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: <u>NM 001204811.3</u>

 RefSeq Size:
 1873 bp

 RefSeq ORF:
 375 bp

 Locus ID:
 100533997

 UniProt ID:
 P43359

Cytogenetics: Xq28

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]