

Product datasheet for MG224489

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OriGene Technologies, Inc.

0610010K14Rik (NM 026757) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: 0610010K14Rik (NM_026757) Mouse Tagged ORF Clone

Tag: TurboGFP

Symbol: 0610010K14Rik

Synonyms: 1110020A23Rik; AL033328; AU045833; Bap18

Mammalian Cell

Selection:

Neomycin

Vector: pCMV6-AC-GFP (PS100010)

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

ORF Nucleotide >MG224489 representing NM_026757

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGACGTCAGCGTCCACCAAGGTTGGAGAGATCTTCTCCGCGGCCGCCGCCGCCCTTCACGAAGCTCGGGGAGTTGACGATGCAGCTGCAGCTCCAGTCTCGGACTCTTCCCCTGCCGGGGCTCAGATAAAGACCACTGTGAAGCGAAAAGTGTATGAAGACTCCGGCATCCCCCTTCCAGCTGAGTCACCCAAGAAAGGACCCAAGAAGATGACGTCCGGTGTCCCTCACCCCAAACGCCCCTCCACCCAGCAGCTCCCAGTGTCCCTGAAGCTGGGGTTCCCCCATAAAGAAAACAGAAGGCTGATGTGACACTCAGTGCTCTGAACGACCCCAACAGTGACCTGGTGGATGTCCCTGAAGGCCAACAGTGACCTGGTGGATGTCGAACGGCCAACAGTGACCTCGGTGGATGTCGAAGGGCTAGGAGAAACTCCTCCAGCCAAGAAACTCAACTTTGACCAGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG224489 representing NM_026757

Red=Cloning site Green=Tags(s)

MTSASTKVGEIFSAAGAAFTKLGELTMQLHPVSDSSPAGAQIKTTVKRKVYEDSGIPLPAESPKKGPKKM TSGVLSPPNAPPPSSSSVPEAGVPPIKKQKADVTLSALNDSDANSDLVDVEGLGETPPAKKLNFDQA

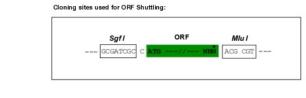
TRTRPLE - GFP Tag - V

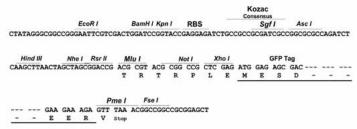
Restriction Sites: Sgfl-Mlul



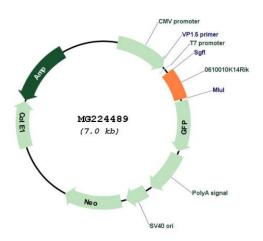


Cloning Scheme:





Plasmid Map:



ACCN: NM_026757

ORF Size: 411 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 026757.2</u>, <u>NP 081033.1</u>

RefSeq Size: 799 bp
RefSeq ORF: 414 bp
Locus ID: 104457
UniProt ID: Q9DCT6
Cytogenetics: 11 B3

Gene Summary: Component of chromatin complexes such as the MLL1/MLL and NURF complexes.

[UniProtKB/Swiss-Prot Function]