

Product datasheet for **RG224513**

MOBKL2C (MOB3C) (NM_201403) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MOBKL2C (MOB3C) (NM_201403) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MOBKL2C
Synonyms:	MOB1E; MOBKL2C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG224513 representing NM_201403 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCTGTGCCTGAAGCAGGTGTTGCGCAAGGACAAGACGTTCCGGCCGCGGAAGCGCTTTGAGCCGG
GCACACAGCGCTTTGAGCTGTACAAGAAGGCACAGGCCTCTCTCAAGTCGGGCTGGACCTGCGCAGTGT
GGTGAGGCTACCACCGGGGAGAACATCGACGACTGGATCGCCGTGCACGTGGTGGACTTCTTCAACCGC
ATCAACCTCATCTACGGCACTATGGCGGAGCGCTGCAGTGAGACCAGCTGCCCGGTATGGCCGGCGGGC
CCCGCTACGAGTACCGCTGGCAGGACGAGCGCCAGTACCGCGGCGCCGCCAAGCTCTCTGCGCCGCGCTA
TATGGCATTGCTCATGGACTGGATCGAAGGCCTCATCAACGACGAAGAGGTCTTTCCACGCGTGTGGGA
GTTCCCTTCCCTAAGAACTTCCAGCAGGTCTGCACCAAGATCCTGACCCGCTCTTCCGAGTCTTTGTCC
ATGTCTACATCCACCACTTCGATAGCATCCTCAGCATGGGGGAGAGGCGCACGTCAACACCTGTACAA
GCATTCTACTACTTCATCCGCGAGTTCAGTCTGGTGGACCAGCGGGAGCTGGAGCCACTGAGGGAGATG
ACAGAGCGGATCTGCCAC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


[View online »](#)

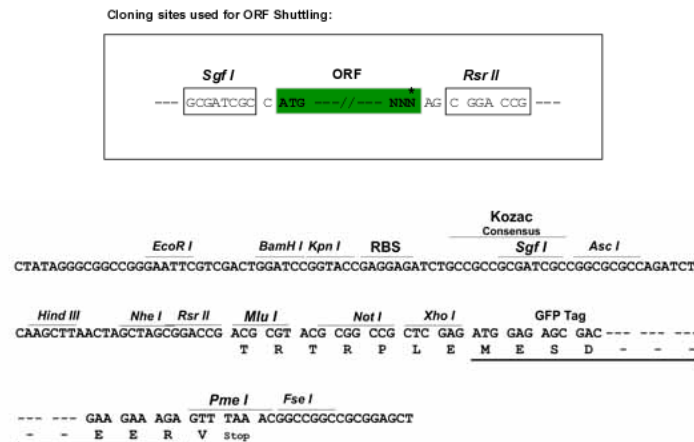
Protein Sequence: >RG224513 representing NM_201403
 Red=Cloning site Green=Tags(s)

MALCLKQVFAKDKTFRPRKRFEPGTQRFELYKKAQASLKSGLDLRSVRLPPGENIDDWIAVHVVDFFNR
 INLIYGTMAERCSETSCPVMAGGPRYEYRWQDERQYRRPAKLSAPRYMALLMDWIEGLINDEEVFPTRVG
 VPFPKNFQQVCTKILTRLFRVHVHYIHHFDSILSMGAEAHVNTCYKHFYFIREFSLVDQRELEPLREM
 TERICH

SGPTRRRLE – GFP Tag – V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_201403

ORF Size: 648 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_201403.2](#)

RefSeq Size: 2776 bp

RefSeq ORF: 651 bp

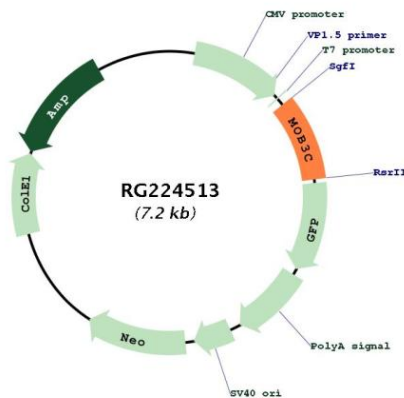
Locus ID: 148932

UniProt ID: [Q70IA8](#)

Cytogenetics: 1p33

Gene Summary: The protein encoded by this gene is similar to the yeast Mob1 protein. Yeast Mob1 binds Mps1p, a protein kinase essential for spindle pole body duplication and mitotic checkpoint regulation. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG224513