

Product datasheet for **RG214578**

MOBK2C (MOB3C) (NM_145279) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	MOBK2C
Synonyms:	MOB1E; MOBKL2C
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG214578 representing NM_145279
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAGCGCAGAAATCTCTTTGCTCTGGAACTGGGGTCCCACCCTGGGACTTCTTTGGGTGAGAAGTC
GAAGAGTCGGGATGGATGAGATGACCTTTCACATCTGGTATCCTCAGGTCGAGCCCTGGACAGCAGCC
CCAGGCCCAGCTGGCCATGGCCCTGTGCCTGAAGCAGGTGTTCCGCAAGGACAAGACGTTCCGGCCGCGG
AAGCGCTTTGAGCCGGGCACACAGCGCTTTGAGCTGTACAAGAAGGCACAGGCCTCTCTCAAGTCGGGCC
TGGACCTGCGCAGTGTGGTGAGGCTACCACCCGGGGAGAATCGACGACTGGATCGCCGTGCACGTGGT
GGACTTCTTCAACCGCATCAACCTCATCTACGGCACTATGGCGGAGCGCTGCAGTGAGACCAGCTGCCCG
GTCATGGCCGGCGGCCCGCTACGAGTACCGCTGGCAGGACGAGCGCCAGTACCGGCGGCCCGCCAAGC
TCTCTGCGCCGCGCTATATGGCATTGCTCATGGACTGGATCGAAGGCCTCATCAACGACGAAGAGGTCTT
TCCCACGCGTGTGGAGTTCCCTTCCCTAAGAATTCAGCAGGTCTGCACCAAGATCCTGACCCGCCTC
TTCCGAGTCTTTGTCCATGTCTACATCCACCACTTCGATAGCATCCTCAGCATGGGGGCAGAGGCGCACG
TCAACACCTGCTACAAGCACTTCTACTACTTCATCCGCGAGTTCAGTCTGGTGGACCAGCGGAGCTGGA
GCCACTGAGGGAGATGACAGAGCGGATCTGCCAC

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



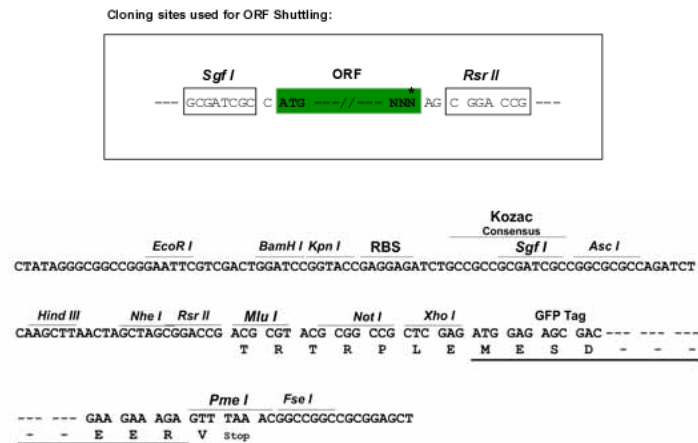
Protein Sequence: >RG214578 representing NM_145279
 Red=Cloning site Green=Tags(s)

MKRRNLFALETGVPPWGLLWVRSRRVGMDEMTFHIWYPQVRAPGQQPQAQLAMALCLKQVFAKDKTFRPR
 KRFEPGTQRFELYKKAQASLKSGLDLRSVVRLPPGENIDDWIAVHVVDFFNRINLIYGTMAERCSETSCP
 VMAGGPRYERYWQDERQYRPAKLSAPRYMALLMDWIEGLINDEEVFPTRVGVFPKPFQVCTKILTRL
 FRVFVHVYIHHFDSILSMGAEAHVNTCYKHFFYFIREFSLVDQRELEPLREMTERRICH

SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_145279

ORF Size: 804 bp

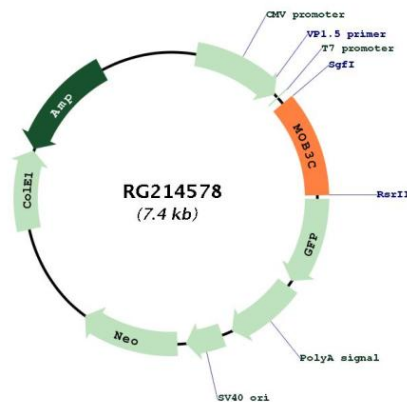
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<u>NM_145279.4</u> , <u>NP_660322.2</u>
RefSeq Size:	2804 bp
RefSeq ORF:	651 bp
Locus ID:	148932
UniProt ID:	<u>Q70IA8</u>
Cytogenetics:	1p33
Domains:	Mob1_phocin
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 RG214578