

## Product datasheet for **RG205977**

### **MOBKL2B (MOB3B) (NM\_024761) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MOBKL2B (MOB3B) (NM_024761) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MOBKL2B
Synonyms:	C9orf35; MOB1D; MOBKL2B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205977 representing NM_024761 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCATAGCCCTGAAGCAGGTATTCAACAAGGACAAGACCTTCGACCCAAGAGGAAATTTGAACCTG  
GCACACAGAGGTTTGAGCTGCACAAACGGGCTCAGGCATCCCTCAACTCGGGTGTGGACCTGAAGGCGGC  
TGTGCAGTTGCCAGTGGGGAGGACCAGAATGACTGGTGGCAGTACATGTGGTGGACTTCTTCAATCGG  
ATCAACCTCATCTATGGCACCATCTGTGAGTTCTGCACCGAGCGGACCTGTCCTGTGATGTCAGGGGCCC  
CCAAATATGAGTATCGGTGGCAGGATGATCTCAAGTATAAGAAGCCAACAGCGCTGCCAGCTCCCCAGTA  
CATGAACCTTCTTATGGATTGGATTGAGGTTGAGATCAACAACGAGGAAATTTTCCAACATGCGTGGGT  
GTTCCCTTCCCAAAGAACTTCCTTCAGATCTGCATGAAGATCCTGTGCCGCTTTTCCGGGTCTTTGTCC  
ACGTCTATATCCACCACTTCGACCGGGTCATTGTGATGGGTGCAGAGGCCCATGTCAACACCTGCTACAA  
ACACTTCTATTACTTTGTACAGAGATGAACCTCATAGACCGCAAGGAGCTAGAGCCTTTGAAAGAAATG  
ACGAGCAGGATGTGTAC

**ACGCGT**ACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG205977 representing NM\_024761  
Red=Cloning site Green=Tags(s)

MSIALKQVFNKDKTFRPKRKFEPGTQRFELHKRAQASLNSGVDLKAAVQLPSGEDQNDWVAVHVVDFFNR  
 INLIYGTICEFCTERTCPVMSGGPKYEYRWQDDLKYKKPTALPAPQYMNLLMDWIEVQINNEEIFPTCVG  
 VPFKPNFLQICMKILCRLFRVHVYIHHFDRIVMGAEAHVNTCYKHFYFVTEMNLI DRKELEPLKEM  
 TSRMCH

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_024761

**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.

**RefSeq:** [NM\\_024761.3](#), [NP\\_079037.3](#)

**RefSeq Size:** 6528 bp

**RefSeq ORF:** 651 bp

**Locus ID:** 79817

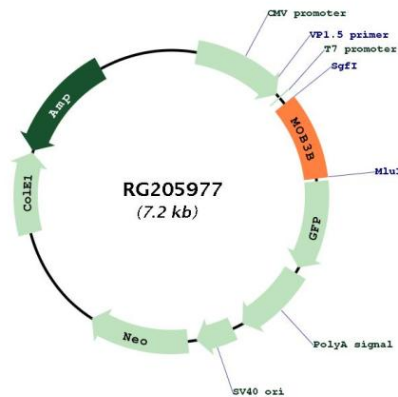
**UniProt ID:** [Q86TA1](#)

**Cytogenetics:** 9p21.2

**Domains:** Mob1\_phocein

**Gene Summary:** The protein encoded by this gene shares similarity with the yeast Mob1 protein. Yeast Mob1 binds Mps1p, a protein kinase essential for spindle pole body duplication and mitotic checkpoint regulation. This gene is located on the opposite strand as the interferon kappa precursor (IFNK) gene. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RG205977