

Product datasheet for **RG201487**

MOBK1B (MOB1A) (NM_018221) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MOBK1B (MOB1A) (NM_018221) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MOBK1B
Synonyms:	C2orf6; MATS1; MOB1; Mob4B; MOBK1B; MOBKL1B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201487 representing NM_018221 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTTCCTCTTCAGCAGCCGCTCTTCTAAAACATTCAAACCAAGAAGAATATCCCTGAAGGATCTC
ATCAGTATGAACTCTTAAACATGCAGAAGCAACTCTAGGAAGTGGGAATCTGAGACAAGCTGTTATGTT
GCCTGAGGGAGAGGATCTCAATGAATGGATTGCTGTGAACACTGTGGATTCTTTAACCAGATCAACATG
TTATATGAACTATTACAGAATTCTGCACTGAAGCAAGCTGTCCAGTCATGTCTGCAGGTCGAGATATG
AATATCACTGGCAGATGGTACTAATATTAAGCAATCAAATGTTCTGCACCAAAATACATTGACTA
TTTGATGACTTGGTTCAAGATCAGCTTGATGATGAACTCTTTTCTTCTAAGATTGGTGCCATTT
CCCAAAAACCTTTATGTCTGTGGCAAAGACTATTCTAAAGCGTCTGTTTCAGGGTTTATGCCATATTTATC
ACCAGCACTTTGATTCTGTGATGCAAGAGGAGGCCACCTCAACACCTCCTTTAAGCACTTTAT
TTTCTTTGTTTCAGGAGTTAATCTGATTGATAGGCGTGAGCTGGCACCTCTTCAAGAATTAATAGAGAAA
CTTGGATCAAAAGACAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201487 representing NM_018221
 Red=Cloning site Green=Tags(s)

MSFLFSSRSSKTFKPKKNIPEGSHQYELLKHAEATLGSGNLRQAVMLPEGEDLNEWIAVNTVDFFNQINM
 LYGTITEFCTEASCPVMSAGPRYEYHWADGTNIKKPIKCSAPKYIDYLMTWVQDQLDDELTFPSKIGVPF
 PKNFMSVAKTILKRLFRVYAHYHQHFDSVMQLQEEAHLNLSFKHFIFVQEFNLIDRRELAPLQELIEK
 LGSKDR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018221

ORF Size: 648 bp

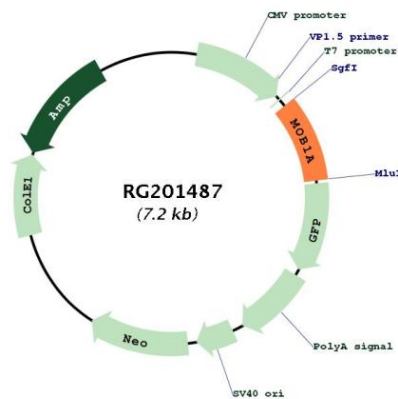
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<ol style="list-style-type: none"> 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_018221.5</u>
RefSeq Size:	2543 bp
RefSeq ORF:	651 bp
Locus ID:	55233
UniProt ID:	<u>Q9H8S9</u>
Cytogenetics:	2p13.1
Domains:	Mob1_phocein
Protein Families:	Druggable Genome
Gene Summary:	The protein encoded by this gene is a component of the Hippo signaling pathway, which controls organ size and tumor growth by enhancing apoptosis. Loss of the encoded protein results in cell proliferation and cancer formation. The encoded protein is also involved in the control of microtubule stability during cytokinesis. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2015]

Product images:



Circular map for RG201487