

Product datasheet for **RG232184**

MOB4A (MOB1B) (NM_001244766) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MOB4A (MOB1B) (NM_001244766) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: MOB4A
Synonyms: MATS2; MOB4A; MOBKL1A
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG232184 representing NM_001244766
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGGAGCTACTGATGTGAATGAAAGTGGTAGTCGCTCTTCTAAAACTTTTAAACCAAAGAAGAACA
TTCCAGAGGGTTCTCACCAGTATGAGCTTTAAAACACGCAGAAGCCACACTTGGCAGTGGCAACCTTCG
GATGGCTGTCATGCTTCTGAAGGGGAAGATCTCAATGAATGGGTTGCAGTTAACTGTGGATTTCTTC
AATCAGATCAACATGCTTTATGGAATACACAGACTTCTGTACAGAAGAGAGTTGTCCAGTGATGTCAG
CTGGCCAAAATATGAGTATCATTGGGCAGATGGAACGAACATAAAGAAACCTATTAAGTGTCTGCACC
AAAGTATATTGATTACTTGATGACTTGGGTTGAGGACAGTTGGATGATGAGACGTTATTTCCATCAAAA
ATTGGTGTCCCGTTCCCAAAGAATTTATGCTGTGTGGCAAAAACATACTCAAACGCCTCTTTAGGGTTT
ATGCTCACATTTATCATCAGCATTTTGACCCTGTGATCCAGCTTCAGGAGGAAGCACATCTAAATACATC
TTTCAAGCACTTTATTTTTTTTGTCCAGGAATCAACCTTATTGATAGAAGAGAAGTTGCACCACTCCAA
GAACTGATTGAAAACTCACCTCAAAGACAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG232184 representing NM_001244766
 Red=Cloning site Green=Tags(s)

MEGATDVNESGSRSSKTFKPKNIPEGSHQYELLKHAEATLGSGNLRMAVMLPEGEDLNEWVAVNTVDFF
 NQINMLYGTITDFCTEESCPVMSAGPKYEYHWADGTNIKKPIKCSAPKYIDYLMTWVQDQLDDELFP
 SKIGVFPKMFMSVAKTILKRLFRVYAHYHQHFDVPIQLQEEAHLNTSFKHFIFFVQEFNLIDRRELAPLQ
 ELIEKLTSKDR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001244766

ORF Size: 663 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_001244766.2](#)

RefSeq Size: 7091 bp

RefSeq ORF: 666 bp

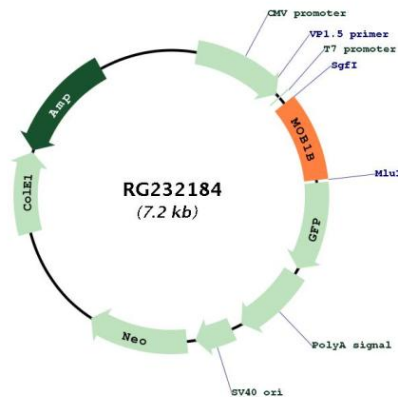
Locus ID: 92597

UniProt ID: [Q7L9L4](#)

Cytogenetics: 4q13.3

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. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]

Product images:



Circular map for RG232184