

Product datasheet for **SC330225**

MOB4A (MOB1B) (NM_001244767) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MOB4A (MOB1B) (NM_001244767) Human Untagged Clone
Tag: Tag Free
Symbol: MOB4A
Synonyms: MATS2; MOB4A; MOBKL1A
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330225 representing NM_001244767.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAGCTTCTTGTTGGTAGTCGCTCTTCTAAACTTTTTAAACCAAGAAGAACATTCCAGAGGGTCT  
CACCAGTATGAGCTCTTAAACACGCAGAAGCCACACTTGGCAGTGGCAACCTTCGGATGGCTGTCATG  
CTTCTGAAGGGGAAGATCTCAATGAATGGGTTGCAGTTAACTGTGGATTTCTCAATCAGATCAAC  
ATGCTTTATGGAATACACAGACTTCTGTACAGAAGAGAGTTGCCAGTGATGTCAGCTGGCCAAAA  
TATGAGTATCATTGGGCAGATGGAACGAACATAAAGAAACCTATTAAGTGCTCTGCACCAAAGTATATT  
GATTACTTGATGACTTGGGTTCCAGGACCAGTTGGATGATGAGACGTTATTCCATCAAAAATTGGTATA  
ATTAATTTTTGTAAGGGGATCCATCATGA
```

Restriction Sites: Sgfl-Mlul
ACCN: NM_001244767
Insert Size: 444 bp
OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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).



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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_001244767.1](#)

RefSeq Size: 2063 bp

RefSeq ORF: 444 bp

Locus ID: 92597

Cytogenetics: 4q13.3

MW: 16.6 kDa

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]
Transcript Variant: This variant (3) differs in the 5' and 3' UTRs and coding sequence compared to variant 1. The resulting isoform (3) has shorter and distinct N- and C-termini compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.