

Product datasheet for **SC124737**

MOB4A (MOB1B) (NM_173468) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MOB4A (MOB1B) (NM_173468) Human Untagged Clone
Tag:	Tag Free
Symbol:	MOB4A
Synonyms:	MATS2; MOB4A; MOBKL1A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC124737 sequence for NM_173468 edited (data generated by NextGen Sequencing)

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ATGAGCTTCTTGTGGTAGTCGCTCTTCTAAAACCTTTAAACCAAAGAAGAACATTCCA  
GAGGGTTCTCACCAGTATGAGCTCTTAAAACACGCAGAAGCCACACTTGGCAGTGCCAAC  
CTTCGGATGGCTGTCATGCTTCCCTGAAGGGGAAGATCTCAATGAATGGGTGTCAGTTAAC  
ACTGTGGATTTCTCAATCAGATCAACATGCTTTATGGAATATCACAGACTTCTGTACA  
GAAGAGAGTTGTCCAGTGATGTCAGCTGGCCAAAATATGAGTATCATTGGGCAGATGGA  
ACGAACATAAAGAAACCTATTAAGTGCTCTGCACCAAAGTATATTGATTACTTGATGACT  
TGGGTTTCAGGACCAGTTGGATGATGAGACGTTATTTCCATCAAAAATTGGTGTCCCCTTC  
CCAAAGAATTTTCATGCTGTGGCAAAAACATACTCAAACGCCTCTTTAGGGTTTATGCT  
CACATTTATCATCAGCATTTTGACCCTGTGATCCAGCTTCAGGAGGAAGCACATCTAAAT  
ACATCTTTCAAGCACTTTATTTTTTTGTCCAGGAATTCACCTTATTGATAGAAGAGAA  
CTTGCACCACTCCAAGAAGTATTGAAAACTCACCTCAAAGACAGATAA
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Clone variation with respect to NM_173468.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_173468 unedited GGCCGCGAATTCGGCACGAGGGCACCTCCTCCTCCGCCTCCCTGTCTCCTGTTCCATTG CCTTTCTCTTTCTTTCTGGCCACGCCGCTCCGAGGCCCTCGCGACCCGCCGAGCCTGCAG CCTGCCCCGCGGCAACATGAGCTTCTTGTGGTAGTCGCTCTTCTAAAACCTTTAAAC CAAAGAAGAACATTCCAGAGGGTTCTCACCAGTATGAGCTCTTAAAACACGCAGAAGCCA CACTTGGCAGTGGCAACCTTCGGATGGCTGTATGCTTCTGAAGGGGAAGATCTCAATG AATGGTTGCAGTTAACACTGTGGATTTCTTCAATCAGATCAACATGCTTTATGGAATA TCACAGACTTCTGTACAGAAGAGAGTTGCCAGTGATGTGAGCTGGCCAAAATATGAGT ATCATTGGGCAGATGGAACGAACATAAAGAAACCTATTAAAGTGCTCTGCACCAAAGTATA TTGATTACTTGATGACTTGGGTTCCAGGACCAGTTGGATGATGAGACGTTATTTCCATCAA AAATTGGTGTCCCGTTCCCAAAGAATTTTCATGTCTGTGGCAAAAATACTCAAACGCC TCTTTAGGTTTATGCTCACATTTATCATCAGCATTTTGACCCTGTGATCCAGCTTCAGA GGAAGCACATCTAAATACATCTTCAAGCACTNTATTTTTTTTGTCCAGAATTCACCT TATTGATAGAAGAGAAGTGCACCACTCCAAGAAGTATTGANAAGTCACTCANAAGA CGATAAAGGATGCAGAGCTGTGCAAATTTGTTCTCAATGAACAGTGTGGAGTGTATGG GGNATTTGTATATTTTGT
Restriction Sites:	NotI-NotI
ACCN:	NM_173468
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).
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:	NM_173468.2 , NP_775739.1
RefSeq Size:	6960 bp
RefSeq ORF:	651 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]

Transcript Variant: This variant differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus 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.