

Product datasheet for **SC111871**

MOBKL2C (MOB3C) (NM_145279) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MOBKL2C (MOB3C) (NM_145279) Human Untagged Clone
Tag:	Tag Free
Symbol:	MOBKL2C
Synonyms:	MOB1E; MOBKL2C
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_145279, the custom clone sequence may differ by one or more nucleotides

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ATGAAGCGCAGAAATCTTTGCTCTGGAACCTGGGGTCCCACCCTGGGGACTTCTTTGGGTGAGAAGTC
GAAGAGTCGGGATGGATGAGATGACCTTTACATCTGGTATCCTCAGGTCAGGCCCTGGACAGCAGCC
CCAGGCCAGCTGGCCATGGCCCTGTGCCTGAAGCAGGTGTTCCGCAAGGACAAGACGTTCCGGCCGCG
AAGCGCTTTGAGCCGGGCACACAGCGCTTTGAGCTGTACAAGAAGGCACAGGCCTCTCTCAAGTCGGGC
TGGACCTGCGCAGTGTGGTGAGGCTACCACCCGGGGAGAACATCGACGACTGGATCGCCGTGCACGTGGT
GGACTTCTCAACCGCATCAACCTCATCTACGGCACTATGGCGGAGCGCTGCAGTGAGACCAGCTGCCCG
GTCATGGCCGGCGGGCCCGCTACGAGTACCGCTGGCAGGACGAGCGCCAGTACCGCGGCCCGCCAAGC
TCTCTGCCCGCGCTATATGGCATTGCTCATGGACTGGATCGAAGGCCTCATCAACGACGAAGAGGTCTT
TCCCACGCGTGTGGAGTCCCTTCCCTAAGAACTCCAGCAGGTCTGCACCAAGATCCTGACCCGCTC
TTCCGAGTCTTTGTCCATGTCTACATCCACCCTTCGATAGCATCCTCAGCATGGGGGCAGAGGCGCACG
TCAACACCTGCTACAAGCACTTCTACTACTTCATCCGCGAGTTCAGTCTGGTGGACCAGCGGGAGCTGGA
GCCACTGAGGGAGATGACAGAGCGGATCTGCCACTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_145279 unedited GCACGAGGCAGCCCCAGGCCAGCTGGCCATGGCCCTGTGCCTGAAGCAGGTGTTTCGCCA AGGACAAGACGTTCCGGCCCGGAAGCGCTTTGAGCCGGGCACACAGCGCTTTGAGCTGT ACAAGAAGGCACAGGCCCTCTCAAGTCGGGCCTGGACCTGCGCAGTGTGGTGAGGCTAC CACCCGGGGAGAACATCGACGACTGGATCGCCGTGCACGTGGTGGACTTCTTCAACCGCA TCAACCTCATCTACGGCACTATGGCGGAGCGCTGCAGTGAGACCAGCTGCCCGGTCATGG CCGGCGGGCCCCGCTACGAGTACCGCTGGCAGGACGAGCGCCAGTACCGGCGGCCGCCA AGCTCTCTGCGCCGCGCTATATGGCATTGCTCATGGACTGGATCGAAGGCCTCATCAACG ACGAAGAGGTCTTTCCACGCGTGTGGAGTTCCTTCCCTAAGAACTTCCAGCAGGTCT GCACCAAGATCCTGACCCGCTCTTCCGAGTCTTGTCCATGTCTACATCCACCCTTCCG ATAGCATCCTCAGCATGGGGCAGAGGCGCACGTCAACACCTGCTACAAGCACTTCTACT ACTTCATCCGCGAGTTCAGTCTGGTGGACCAGCGGGAGCTGGA
Restriction Sites:	NotI-NotI
ACCN:	NM_145279
Insert Size:	1100 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).
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_145279.2</u> , <u>NP_660322.1</u>
RefSeq Size:	2804 bp
RefSeq ORF:	651 bp
Locus ID:	148932
UniProt ID:	<u>Q70IA8</u>
Cytogenetics:	1p33
Domains:	Mob1_phoecin

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. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.