OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC121696

MOBKL2C (MOB3C) (NM_201403) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MOBKL2C (MOB3C) (NM_201403) Human Untagged Clone
Tag:	Tag Free
Symbol:	MOBKL2C
Synonyms:	MOB1E; MOBKL2C
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC121696 sequence for NM_201403 edited (data generated by NextGen Sequencing)

ATGGCCCTGTGCCTGAAGCAGGTGTTCGCCAAGGACAAGACGTTCCGGCCGCGGAAGCGC
TTTGAGCCGGGCACACAGCGCTTTGAGCTGTACAAGAAGGCACAGGCCTCTCTCAAGTCG
GGCCTGGACCTGCGCAGTGTGGTGAGGCTACCACCCGGGGAGAACATCGACGACTGGATC
GCCGTGCACGTGGTGGACTTCTTCAACCGCATCAACCTCATCTACGGCACTATGGCGGAG
CGCTGCAGTGAGACCAGCTGCCCGGTCATGGCCGGCGGGCCCCGCTACGAGTACCGCTGG
CAGGACGAGCGCCAGTACCGGCGGCCCGCCAAGCTCTCTGCGCCGCGCTATATGGCATTG
CTCATGGACTGGATCGAAGGCCTCATCAACGACGAAGAGGTCTTTCCCACGCGTGTTGGA
GTTCCCTTCCCTAAGAACTTCCAGCAGGTCTGCACCAAGATCCTGACCCGCCTCTTCCGA
GTCTTTGTCCATGTCTACATCCACCACTTCGATAGCATCCTCAGCATGGGGGCAGAGGCG
CACGTCAACACCTGCTACAAGCACTTCTACTACTTCATCCGCGAGTTCAGTCTGGTGGAC
CAGCGGGAGCTGGAGCCACTGAGGGAGATGACAGAGCGGATCTGCCACTGA

Clone variation with respect to NM_201403.2

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_201403 unedited
NGTTCACATTTGTATACGACTCCTATAGGCGGCNCGCGAATTCGCACGAGGCAGACGGAC
AGGCTGACAGGAGAGAGAACAGCACTGCGGGACCTGCAGGAGAAAGGCGATCCTGTGGCT
GGGAATGTGACCCCACGGCCAGAAGAGGACCCGGTATCCTCAGGTCCGAGCCCCTGGACA
GCAGCCCCAGGCCCAGCTGGCCATGGCCCTGTGCCTGAAGCAGGTGTTCGCCAAGGACAA
GACGTTCCGGCCGCGGAAGCGCTTTGAGCCGGGCACACAGCGCTTTGAGCTGTACAAGAA
GGCACAGGCCTCTCTCAAGTCGGGCCTGGACCTGCGCAGTGTGGTGAGGCTACCACCCGG
GGAGAACATCGACGACTGGATCGCCGTGCACGTGGTGGACTTCTTCAACCGCATCAACCT
CATCTACGGCACTATGGCGGAGCGCTGCAGTGAGACCAGCTGCCCGGTCATGGCCGGCGG
GCCCCGCTACGAGTACCGCTGGCAGGACGAGCGCCAGTACCGGCGGCCCGCCAAGCTCTC
TGCGCCGCGCTATATGGCATTGCTCATGGACTGGATCGAAGGCCTCATCAACGACGAAGA
GGTCTTTCCCACGCGTGTTGGAGTTCCCTTCCCTAAGAACTTCCAGCAGGTCTGCACCAA
GATCCTGACCCGCCTCTTCCGAGTCTTTGTCCATGTCTACATCCACCACTTCGATAGCAT
CCTCAGCATGGNGGCAGAGGCGCACGTCAACACCTGCTACAAGCACTTCTACTACTTCAT
CCGCGAGTTCAGTCTGGTGGACCANNCGGAGCTGGNAGCCACTGAGGAGATGACAGAGCG
GATCTGCCACTGACCCAGTCTGGACTTTTTGGCCATCAGATGGACATCTGACATAGGNTG
GCTGGCANAGGGACCCCCAGAGCCTGAGGATCTGAGCCTGGATCACTCCC

Restriction Sites: NotI-NotI

ACCN: NM_201403

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:
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_201403.1, NP_958805.1

RefSeq Size: 2776 bp

RefSeq ORF: 651 bp

Locus ID: 148932

UniProt ID: Q70IA8

Cytogenetics: 1p33

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 uses an alternate 5' UTR exon, compared to variant 1, that results in the use of a downstream start codon. The encoded isoform (2) has a shorter N-terminus, as compared to 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.