

Product datasheet for **SC113654**

MOBK1B (MOB1A) (NM_018221) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MOBK1B (MOB1A) (NM_018221) Human Untagged Clone
Tag:	Tag Free
Symbol:	MOBK1B
Synonyms:	C2orf6; MATS1; MOB1; Mob4B; MOBK1B; MOBKL1B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC113654 sequence for NM_018221 edited (data generated by NextGen Sequencing) ATGAGCTTCTCTTCAGCAGCCGCTCTTCTAAAACATTCAAACCAAGAAGAATATCCCT GAAGGATCTCATCAGTATGAACTCTTAAAACATGCAGAAGCAACTCTAGGAAGTGGAAT CTGAGACAAGCTGTTATGTTGCCTGAGGGAGAGGATCTCAATGAATGGATTGCTGTGAAC ACTGTGGATTTCTTTAACAGATCAACATGTTATATGGAATATTACAGAATTCTGCACT GAAGCAAGCTGTCCAGTCATGTCTGCAGGTCGAGATATGAATATCACTGGGCAGATGGT ACTAATATTTAAAAGCCAATCAAATGTTCTGCACCAAAATACATTGACTATTTGATGACT TGGGTTCAAGATCAGCTTGATGATGAACTCTTTTCTTCTAAGATTGGTGTCCCATTT CCCAAAAACCTTTATGTCTGTGGCAAAGACTATTCTAAAGCGTCTGTTCAAGGTTTATGCC CATATTTATCACCAGCACTTTGATTCTGTGATGCAGCTGCAAGAGGAGGCCACCTCAAC ACCTCCTTTAAGCACTTTATTTCTTTGTTTCAGGAGTTTAACTGATTGATAGGCGTGAG CTGGCACCTCTTCAAGAATTAATAGAGAACTTGGATCAAAGACAGATAA Clone variation with respect to NM_018221.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_018221 unedited NCCGGTCAAATTTGTATACGACTCATATAGGCGGCCGCGNAATTCGCACGAGGGCGAGG TGGGGTAGGCGGGCAAGGCGGGCGCCGAGGTTTGCAAAGGCTCGCAGCGGCCAGAAACCC GGTCCGAGCGGGCGGGCCCGGCTTCCGCTGCCCGTGAGCTAAGGACGGTCCGCTCCCT CTAGCCAGCTCCGAATCCTGATCCAGGCGGGGGCCAGGGGCCCTCGCTCCCCTGAG GACCGAAGATGAGCTTCTTCTCAGCAGCCGCTTTCTAAAACATTCAAACCAAAGAAGA ATATCCCTGAAGGATCTCATCAGTATGAACTCTTAAAACATGCAGAAGCAACTCTAGGAA GTGGGAATCTGAGACAAGCTGTTATGTTGCCTGAGGGAGAGGATCTCAATGAATGGATTG CTGTGAACACTGTGGATTCTTTAACCAGATCAACATGTTATATGAACTATTACAGAAT TCTGCACTGAAGCAAGCTGTCCAGTCATGTCTGCAGGTCGAGATATGAATACTGTTGG CAGATGGTACTAATATTAAGCAATCAAATGTTCTGCACAAAATACATTGACTATT TGATGACTTGCCTTCAAGATCAGCTTGATGATGAACTCTTTTCTTCTAAGATTGGTG CCCCATTTCCACAACTTTATGTCTTGTGGCAAAGACTATTCCTAAGCGTCTGTTGAG GTTTATGCCCATATTACCACCACACTCTGATTCTGCGAAGCAGCTGCAAGAAGAGGCC CACCTACCACCTCTTTAGCCACTTTATATTCTTTGTTGAGGGCCTCACTTTTGTGG CCAGGCTATAATGCATGGCCGGAACTTGCTCACTGGAANCTCGCTCTCTG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_018221 unedited GGGGGTGTGTGGGGTNNNNNNNNNNNTTTTACTTTTTTTTTNTNCCGNNTTTTTTTT TTATATTTTTTACATAACCAGGTTAATAAATATNAATCCACATCACTCTGTGATNATC TTTNCCTTCTCTNCTNCTTTTTNTCTCAGNNNAATTTCTCAAGGGNCGCTCNCCTGCAC ACAAATACATTGCACAATCAATCACATAACATCAGCTGTGTCTATTAGTAGTATACTCCA ACATTCTCATCTAATATCATCTGTCTCGCGGATCTCCCCTCTCTCTCCTCCAGCCCCACA CAAGTCTTACTTATCCCTGCACATTACAGGCCTTCTTCCAGTCTTCATAAAGCCCTGG CAAGCACCATTCTTACCAAGACATCTAAAAAATTACTTTCTGATACACACTCCTAAT AATTTACATACATATGAAAAAATTTTAAATAAAGATCAAAAAATAAAGTCCCTGTAAAA ATAACTTTGGTTGCTCCACCCACACGTCATATGATGATTTAACTGCAATCATGAATTT TGAAAAATATACGTATCTTATCTATAAAAAACTACCATACAACTTGAACACTAAATG TTATCTTGAAGTGACACAGATCGTTCTAAATCTTAAGGATACTGAAAAATACATTTTCTA TTCTTTAAATAAAAAGAATAAAACCAATCTGATTGTGTTATTACGAAATTCGTTCTGGAAA CTTATTCATAAATATTGCTGGAAAATTTCTAATGTCCATTGCGCCTGTCAACCCTAAACA AATTCAATCAATTTTTTTTTTAAAAAATAAATGACTGATCTAATGGAGCAAAAGAAAAATAAC TAAATTCTAAGCCTACATGGTTAACCACTACATATTACAACCAAGCCTGACTTTTTGAAT ACAACAAGAAATGGCCACAAGTACTTAAAAATTCGCTGTTTCCTTAAAGGGCTTATTCTGCAA CTATTCTCCACCTACCTTTGGATAATTTTATCCGCACACCAAGCCCCGGGTCTCTTT TTTATCTGTTATTTTCAAACCGCTCTATACCCCTTACCCAATCCAAGT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_018221
Insert Size:	2140 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:

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_018221.1](#), [NP_060691.1](#)

RefSeq Size: 2543 bp

RefSeq ORF: 651 bp

Locus ID: 55233

UniProt ID: [Q9H8S9](#)

Cytogenetics: 2p13.1

Domains: Mob1_phocein

Protein Families: Druggable Genome

Gene Summary: The protein encoded by this gene is a component of the Hippo signaling pathway, which controls organ size and tumor growth by enhancing apoptosis. Loss of the encoded protein results in cell proliferation and cancer formation. The encoded protein is also involved in the control of microtubule stability during cytokinesis. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2015]
Transcript Variant: This variant (1) represents the longest transcript and encodes isoform 1.