

## Product datasheet for **RC205977**

### MOBKL2B (MOB3B) (NM\_024761) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MOBKL2B (MOB3B) (NM_024761) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MOBKL2B
Synonyms:	C9orf35; MOB1D; MOBKL2B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC205977 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCATAGCCCTGAAGCAGGTATTCAACAAGGACAAGACCTTCGACCCAAGAGGAAATTTGAACCTG  
GCACACAGAGGTTTGAGCTGCACAAACGGGCTCAGGCATCCCTCAACTCGGGTGTGGACCTGAAGGCGGC  
TGTGCAGTTGCCAGTGGGGAGGACCAGAATGACTGGTGGCAGTACATGTGGTGGACTTCTTCAATCGG  
ATCAACCTCATCTATGGCACCATCTGTGAGTTCTGCACCGAGCGGACCTGTCCTGTGATGTCAGGGGGCC  
CCAAATATGAGTATCGGTGGCAGGATGATCTCAAGTATAAGAAGCCAACAGCGCTGCCAGCTCCCCAGTA  
CATGAACCTTCTTATGGATTGGATTGAGGTTGAGATCAACAACGAGGAAATTTTCCAACATGCGTGGGT  
GTTCCCTTCCCAAAGAACTTCCTTCAGATCTGCATGAAGATCCTGTGCCGCCCTTTCCGGGTCTTTGTCC  
ACGTCTATATCCACCACTTCGACCGGGTCAATTGTGATGGGTGCAGAGGCCATGTCAACACCTGCTACAA  
ACACTTCTATTACTTTGTACAGAGATGAACCTCATAGACCGCAAGGAGCTAGAGCCTTTGAAAGAAATG  
ACGAGCAGGATGTGTCAC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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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\\_024761.5](#)

**RefSeq Size:** 6528 bp

**RefSeq ORF:** 651 bp

**Locus ID:** 79817

**UniProt ID:** [Q86TA1](#)

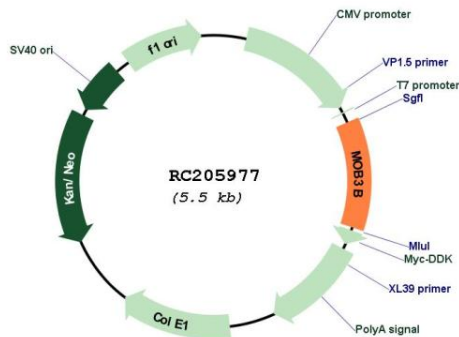
**Cytogenetics:** 9p21.2

**Domains:** Mob1\_phocein

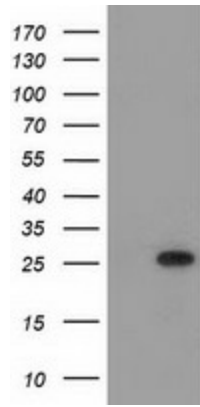
**MW:** 25.5 kDa

**Gene Summary:** The protein encoded by this gene shares similarity with the yeast Mob1 protein. Yeast Mob1 binds Mps1p, a protein kinase essential for spindle pole body duplication and mitotic checkpoint regulation. This gene is located on the opposite strand as the interferon kappa precursor (IFNK) gene. [provided by RefSeq, Jul 2008]

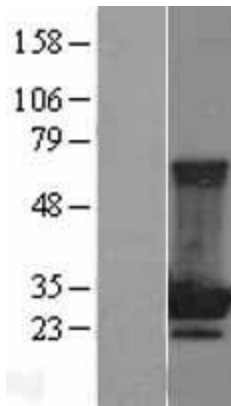
### Product images:



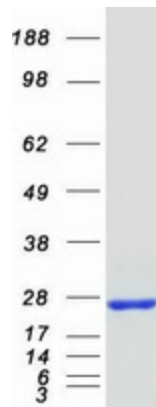
Circular map for RC205977



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY MOBKL2B (Cat# RC205977, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MOBKL2B (Cat# [TA501506]). Positive lysates [LY403025] (100ug) and [LC403025] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY403025]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205977 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified MOB3B protein (Cat# [TP305977]). The protein was produced from HEK293T cells transfected with MOB3B cDNA clone (Cat# RC205977) using MegaTran 2.0 (Cat# [TT210002]).