

## Product datasheet for MR202638

### Mob4 (NM\_025283) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mob4 (NM_025283) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mob4
Synonyms:	2610109B12Rik; Mobkl3; Phocn; Prei3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202638 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGATCGCC

ATGGTCATGGCGGAGGGGACGGCAGTGCTGAGGCGGAACAGGCCAGGCACCAAGGCGCAGGATTTCTATA  
ATTGGCCTGATGAATCATTTGATGAAATGGACAGTACACTTGCTGTTGAGCAGTATATCAACAGAACAT  
AAGGGCAGACTGCTCCAATATTGACAAAATTTGAACCACTGAAGGCCAAGATGAAGGTGATGGAAG  
TATGAACATTTAAGGCAATTCGCCTTGAACAAATGGACTTGCTGTCAAACCTCAGAGTGAATGCCATC  
CAGATACCTGACTCAGATGACAGCAACTGAACAATGGATTTTTCTTTGTGCAGCTCATAAACTCCAAA  
AGAGTGTCTGCCATAGATTATACAAGACACACTGGATGGTGTGTCATGCTTCTGAATAGCAATAAA  
TATTTTCCAGCAGGGTTAGCATAAAAAGAAATCATCTGTAGCAAACTAGGATCAGTGTGCCGTAGGATTT  
ATAGAATATTTTACATGCCTATTTTCATCACCAGCAGATATTTGATGAATATGAAAATGAAACATTTT  
ATGTCATCGGTTTACAAATTTGTGATGAAATATAATCTGATGTCGAAGGATAACCTGATTGTACCAATT  
TTAGAAGAGGAAGTTCAGAACTCAGTTTCTGGGAAAGTGAAGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR202638 protein sequence  
 Red=Cloning site Green=Tags(s)

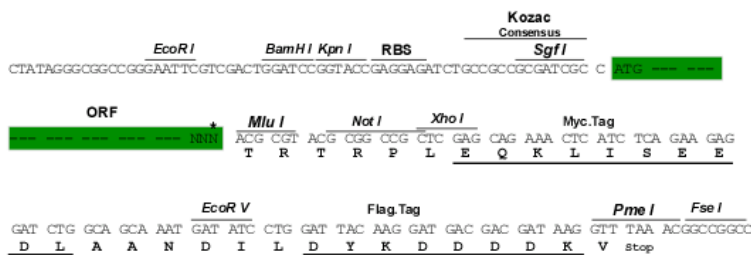
MVMAEGTAVLRRNRPGTKAQDFYNWPDESFDMDSTLAVQQYIQNIRADCSNIDKILEPPEGQDEGVWK  
 YEHLRQFCLELNGLAVKLQSECHPDTCTQMTATEQWIFLCAAHKTPKECPAIDYRHTLDGAACLLNSNK  
 YFPSRVSIKESSVAKLGSVCRRIRYIFSHAYFHHRQIFDEYENETFLCHRFTKFMKYNLMSKDNLIVPI  
 LEEEVQNSVSGESEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_025283

**ORF Size:** 678 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_025283.3](#), [NP\\_079559.2](#)

**RefSeq Size:** 2845 bp

**RefSeq ORF:** 678 bp

**Locus ID:** 19070

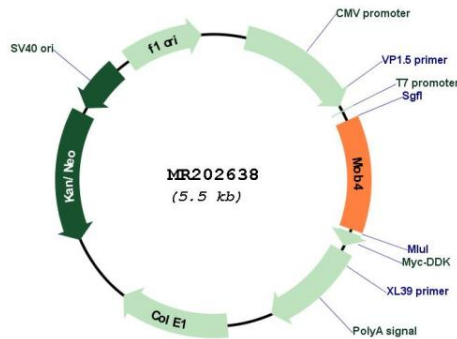
**UniProt ID:** [Q6PEB6](#)

**Cytogenetics:** 1 C1.2

**MW:** 26 kDa

**Gene Summary:** May play a role in membrane trafficking, specifically in membrane budding reactions. [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR202638