

## Product datasheet for MR203367

### Rab26 (NM\_177375) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rab26 (NM_177375) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rab26
Synonyms:	A830020M03Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203367 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCAGGAAGAAGACCCCAAGAGCAAGGGGGGAGTGAGCCGGCTACCTCTACACTGCCCGCCCGC  
CCGCCGCCACCAATGGGCCACGTCTGGCACATCCTAGGACTGTGCGCCCTGGCCAGAGGCACCGCCAA  
TGGGCCCCCGCAGTCCATCCGGCCCTCACTTGGTAGCACTGGAGACTTCTACGATGTTGCTTTCAAGGC  
ATGCTGGTGGGGATTCCGGTGTGGGAAGACCTGCCTGCTTGTGCGCTCAAGGATGGGCTTTCTCG  
CTGGTACCTTCATCTCCACTGTGGGCATCGACTCCGGAATAAAGTTCTGGATGTGGATGGCATGAAGGT  
GAAGCTGCAGATCTGGGACACAGCTGGTCAGGAGCGGTTCCGAAGTGTACCCATGCCTACTACCGAGAT  
GCTCACGCACTGTTGCTGCTCTACGACATCACCAACAAAGATTCTTCGACAACATTCAGGCCTGGTTGA  
CAGAGATCCAGGAATATGCCAGCAGGACGTGGTCTCATGCTGCTAGGGAAACAAGGTTGACTCTACTCA  
AGACCGTGTGGTAAAGAGGGGAAGATGGGGAGAAATTAGCCAAGGAGTATGGGCTACCTTTTCATGGAGACC  
AGCGCAAGGACTGGCCTCAACGTGGACTTGGCTTTTACAGCCATAGCAAAGGAGCTGAAACAGAGATCAG  
CCAAGGCTCCCAGCGAGCCCCGCTTCAGGCTGCATGACTATGTTAAGAGGGAGGGCCGAGGGTCTCCTG  
CTGTCGACTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR203367 protein sequence  
 Red=Cloning site Green=Tags(s)

MSRKKTPKSKGGSEPATSTLPAAAAATNGPRLAHPRTVVRGPEAPPNGPPQSIRPSLGGSTGDFYDVAFKV  
 MLVGDGSGVKTCLLVRFKDGAF LAGTF I STVGIDFRNKVLDVDGMKVQLIWDTAGQERFRSVTHAYYRD  
 AHALLLLYDITNKDSFDNIQAWL TEIQEYAQQDVVLMLLGNKVDSTQDRVVVKREDGEKLAKEYGLPFMET  
 SARTGLNVDLAFTAIAKELKQRSAPSEPRFRLHDYVKREGRGVSCCRL

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\_177375

**ORF Size:** 783 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\\_177375.1](#), [NP\\_796349.1](#)

**RefSeq Size:** 1434 bp

**RefSeq ORF:** 783 bp

**Locus ID:** 328778

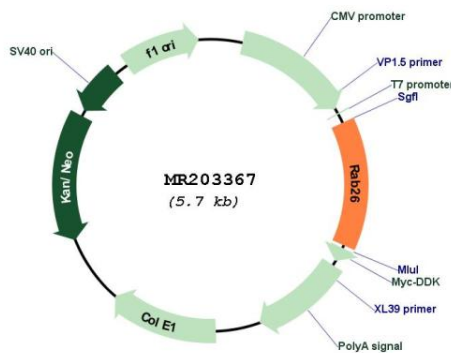
**UniProt ID:** [Q504M8](#)

**Cytogenetics:** 17 A3.3

**MW:** 28.6 kDa

**Gene Summary:** The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different set of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. Mediates transport of ADRA2A and ADRA2B from the Golgi to the cell membrane. Plays a role in the maturation of zymogenic granules and in pepsinogen secretion in the stomach (By similarity). Plays a role in the secretion of amylase from acinar granules in the parotid gland.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR203367