

## Product datasheet for **MR202421**

### Rab39 (NM\_175562) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rab39 (NM\_175562) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Rab39  
**Synonyms:** C230094F14Rik; Rab39a  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR202421 representing NM\_175562  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGACTATTTGGATCTATCAGTTCGCCTTATTGTGATCGGAGACTCCACGGTGGCAAGTCGTGCC  
TTCTGCACCGCTTACCCAGGGCCGCTTCCAGGGCTGCACTCCCCGCCTGCGACCCACAGTCGGCGT  
GGACTTCTTCTCGCGCTGCTGGAGATTGAGCCGGCAAGAGGATCAAGCTGCAGCTCTGGGACACGGCG  
GGGCAGGAGCGCTTCAGATCAATAACTCGATCCTATTACCGCAACTCAGTTGGAGATTTTTAGTGTGTTG  
ACATTACTAACCGACGGTCTTTTGAACATGTGAAAGATTGGCTAGAAGAAGCAAAAATGCATGTACAGCC  
TTTTCAGATTGATTTCTACTGGTGGGACATAAATGTGACCTGGCTTCGCAACGCCAGGTTTCAAGGGAA  
GAAGCTGAAAGACTGTCAACAGACTGTGGAATGAAGTACATAGAGACCTCAGCCAAGGACGCGACAACG  
TTGAAGAGTCCTTTACAATCCTGACAAGAGACATATAGAGCTTATCAAAAAAGGAGAGATTTGTATTCA  
GGATGGATGGGAAGGGTTAAAAGTGGTTTCGTTCCAAATACTGTGCATTCTTCTGAGGAAGCAGTCAAG  
CCAGAAAAGAGTGCTTCTGT

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
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\\_175562.3](#), [NP\\_780771.1](#)

**RefSeq Size:** 2971 bp

**RefSeq ORF:** 654 bp

**Locus ID:** 270160

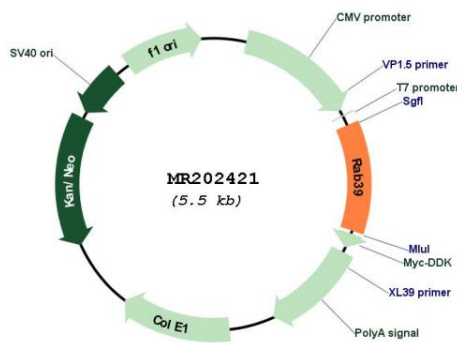
**UniProt ID:** [Q8BHD0](#)

**Cytogenetics:** 9 A5.3

**MW:** 25.4 kDa

**Gene Summary:** Plays a role in the maturation and acidification of phagosomes that engulf pathogens, such as *S.aureus* and *M.tuberculosis*. Plays a role in vesicular trafficking. Plays a role in the fusion of phagosomes with lysosomes. Negatively regulates LPS-induced autophagosome formation in macrophages possibly by implicating PI3K (By similarity). May be involved in multiple neurite formation (PubMed:23624502).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR202421