

Product datasheet for **RG207062**

RAB39 (RAB39A) (NM_017516) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB39 (RAB39A) (NM_017516) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RAB39
Synonyms:	RAB39
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207062 representing NM_017516 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGACCATCTGGATCTACCAGTTCCGCCTCATCGTGATCGGGGACTCCACCGTGGGCAAGTCTCTGCC
TCCTGCACCGCTTACCCAGGGCCGCTTCCCGGGCTGCGCTCCCCGCCTGCGACCCACCGTCCGGCGT
GGACTTCTTCCCGCTGCTGGAGATCGAGCCGGCAAGAGGATCAAGCTACAGCTCTGGGACACGGCG
GGACAGGAGCGGTTCAGATCAATAACCCGATCTTATTACCGCAACTCAGTTGGTGGATTTTATGATTTG
ACATTACTAACCGACGATCTTTTGAACATGTGAAAGATTGGCTAGAAGAAGCAAAAATGTATGTACAGCC
ATTTCCGATTGTATTTCTGCTAGTGGGACATAAATGTGATTTAGCTTACACCGTCAAGTTACAAGGGAA
GAAGCTGAAAACTGTCAGCAGACTGTGGAATGAAGTATATAGAAACCTCAGCAAAGGATGCTACAAATG
TTGAAGAATCCTTCAAACTTTGACGAGAGACATATGAACTTATTAAGGGGAGAAATTTGTATTCA
GGATGGCTGGGAAGGGTTAAAAGTGGTTTTGTTCCAAACTGTGCATTCTTCTGAGGAAGCAGTAAAG
CCCAGGAAAGAATGCTTCTGC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG207062 representing NM_017516
 Red=Cloning site Green=Tags(s)

METIWIYQFRLIVIGDSTVKGKSCLLHRFTQGRFPGLRSPACDPTVGVDFFSRLLEIEPGKRIKLQLWDTA
 GQERFRSITRSYYRNSVGGFLVFDITNRRSFEHVKDWLEEKMYQPFRIVFLLVGHKCDLASQRQVTR
 EAEKLSADCGMKYIETSAKDATNVEESFTILTRDIYELIKKGEICIQDGEVGVKSGFVPNTVHSSEEAVK
 PRKEFCF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_017516

ORF Size: 651 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_017516.3](#)

RefSeq Size: 1845 bp

RefSeq ORF: 654 bp

Locus ID: 54734

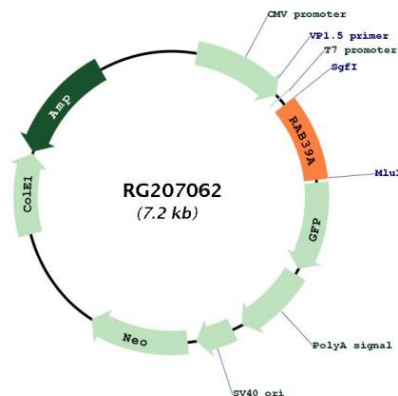
UniProt ID: [Q14964](#)

Cytogenetics: 11q22.3

Protein Families: Druggable Genome

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 (PubMed:24349490). May be involved in multiple neurite formation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG207062