

## Product datasheet for **MG202421**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rab39 (NM_175562) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rab39
Synonyms:	C230094F14Rik; Rab39a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202421 representing NM_175562 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGACTATTTGGATCTATCAGTTCGCCTTATTGTGATCGGAGACTCCACGGTGGCAAGTCGTGCC  
TTCTGCACCGCTTACCCAGGGCCGCTTCCAGGGCTGCACTCCCCGCCTGCGACCCACAGTCGGCGT  
GGACTTCTTCGCGCCTGCTGGAGATTGAGCCGGCAAGAGGATCAAGCTGCAGCTCTGGGACACGGCG  
GGGCAGGAGCGCTTCAGATCAATAACTCGATCCTATTACCGCAACTCAGTTGGAGATTTTTAGTGT  
ACATTACTAACCGACGGTCTTTGAACATGTGAAAGATTGGCTAGAAGAAGCAAAAATGCATGTACAGCC  
TTTTCAGATTGATTTCTACTGGTGGGACATAAATGTGACCTGGCTTCGCAACGCCAGGTTCAAGGGAA  
GAAGCTGAAAGACTGTCAACAGACTGTGGAATGAAGTACATAGAGACCTCAGCCAAGGACGCGACAAACG  
TTGAAGAGTCCTTTACAATCCTGACAAGAGACATATAGAGCTTATCAAAAAAGGAGAGATTTGTATTCA  
GGATGGATGGGAAGGGTTAAAAGTGGTTTCGTTCCAAACTGTGCATTCTTCTGAGGAAGCAGTCAAG  
CCAGAAAAGAGTGCTTCTGT

**ACGCGT**ACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG202421 representing NM\_175562  
 Red=Cloning site Green=Tags(s)

METIWIYQFRLIVIGDSTVGKSCLLHRFTQGRFPLHSPACDPTVGVDFFSRLLEIEPGKRIKLQLWDTA  
 GQERFRSITRSYYRNSVGGFLVFDITNRRSFEHVKDWLEEKMHVQPFQIVFLLVGHKCDLASQRQVSRE  
 EAERLSTDCGMKYIETSAKDATNVVEESFTILTRDIYELIKKGEICIQDGWEGVKS GFVPNTVHSSEEA VK  
 PRKECFC

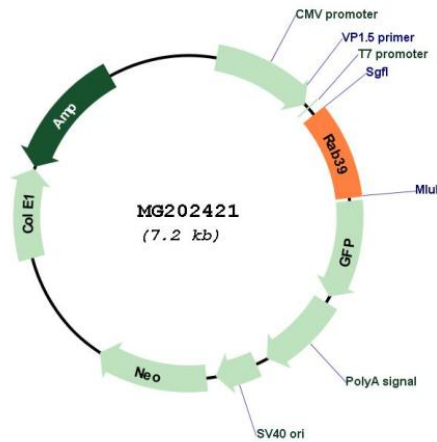
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_175562

**ORF Size:** 651 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_175562.3</a> , <a href="#">NP_780771.1</a>
<b>RefSeq Size:</b>	2971 bp
<b>RefSeq ORF:</b>	654 bp
<b>Locus ID:</b>	270160
<b>UniProt ID:</b>	<a href="#">Q8BHD0</a>
<b>Cytogenetics:</b>	9 A5.3
<b>Gene Summary:</b>	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]