

## Product datasheet for **MG202333**

### **Rab39b (NM\_175122) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rab39b (NM_175122) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rab39b
Synonyms:	6330580M05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	<p>&gt;MG202333 representing NM_175122</p> <p>Red=Cloning site Blue=ORF Green=Tags(s)</p>

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGGCCATCTGGCTGTACCAAGTCCGGCTCATTGTCATCGGCGATTCCACGGTGGGCAAGTCCTGCC  
 TGATCCGCCGCTTCACCGAGGGCCGCTTTGCTCAGGTTTCAGATCCCACCGTGGGGTAGATTTTTCTC  
 CCGTTTGGTGGAGATCGAGCCAGGAAAACGCATCAAGCTCCAGATCTGGGATACAGCGGGTCAAGAGAGG  
 TTCAGATCCATCACTCGCGCCTACTACAGGAATTCAGTAGGTGGTCTTCTTTATTTGACATTACCAACC  
 GCAGGTCTTCCAGAATGTCCATGAGTGGTTAGAAGAGACCAAAGTACACGTTTCAGCCCTACCAAATTGT  
 ATTTGTTCTGGTGGGTCACAAGTGTGACCTGGATACACAGAGGCAAGTGAAGTTCGACGAGGCGGAGAAA  
 CTGGCTGCTGCATACGGCATGAAGTACATTGAGACGTCAGCCCGAGATGCCATTAAATGTGGAGAAAGCCT  
 TCACAGACCTGACAAGAGACATATATGAGCTGGTAAAAGGGGGGAGATTACAATCCAGGAGGGTTGGGA  
 AGGGGTGAAGAGTGGATTTGTACCAATGTTGTTTCATTCTTCAGAAGAGGTTATCAAATCAGAGAGGAGA  
 TGTGTGTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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**Protein Sequence:** >MG202333 representing NM\_175122  
 Red=Cloning site Green=Tags(s)

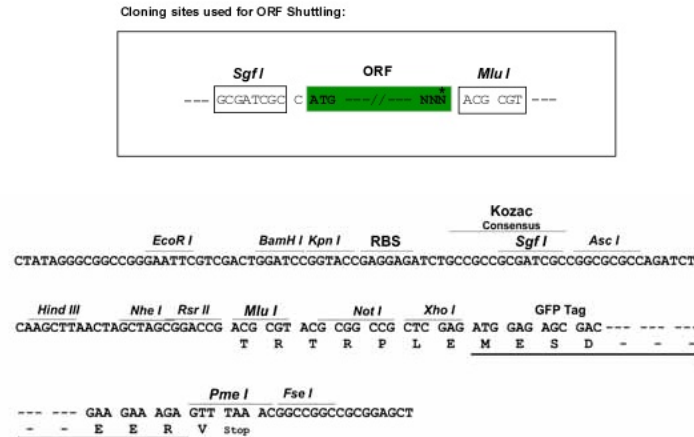
MEAIWL YQFRLIVIGDSTVGKSLIRRFTEGRFAQVSDPTVGVDFFSRLVEIEPGKRIKLQIWDTAGQER  
 FR SITRAYRNSVGGLLLF DITNRRSFQNVHEWLEETKVHVQPYQIVFVLVGHKCDLDTQRQVTRHEAEK  
 LAAAYGMKYIETSARDAINVEKAFTDLTRDIYELVKRGEITIQEGWEGVKSGFVPNVVHSSEEVKSERR  
 CLC

TRTRPLE - GFP Tag - V

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1881\\_e04.zip](https://cdn.origene.com/chromatograms/ja1881_e04.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_175122

**ORF Size:** 639 bp

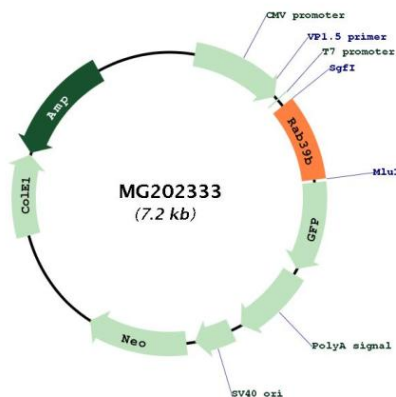
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

<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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_175122.6</a>
<b>RefSeq Size:</b>	3362 bp
<b>RefSeq ORF:</b>	642 bp
<b>Locus ID:</b>	67790
<b>UniProt ID:</b>	<a href="#">Q8BHC1</a>
<b>Cytogenetics:</b>	X A7.3
<b>Gene Summary:</b>	This gene encodes a member of the Ras-related small GTPases, which regulate membrane trafficking in organelles and transport vesicles. This protein has been reported to be enriched in mouse brain, and specifically within neurons, and may play a role in synapse formation. In humans mutations in this gene are associated with X-linked cognitive disability. [provided by RefSeq, Jun 2013]

## Product images:



Circular map for MG202333