

## Product datasheet for **MG203752**

### Rab40b (NM\_139147) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rab40b (NM_139147) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rab40b
Synonyms:	rar; SEC4L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203752 representing NM_139147 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTCCCTGGGCAGCCCGGTGCGGGCCTACGATTTTCTACTTAAGTTCCTGTTGGTGGGCGACAGCG  
ACGTGGGCAAGGGAGAGATCCTGGCCAGCTTGCAGGACGGAGCAGCCGAGTCTCCTTACGGCCACCCGGC  
GGGAATTGATCACAAGACGACCACCATCTGCTAGATGGCCGAAGGGTAAAAGTGCAGCTTTGGGACACC  
TCGGGGCAGGGGAGATTTGTACCATATCCGCTCATACTCCAGAGGTGCACAGGGTGTGGTCTGGTCT  
ATGACATTGCCAACCGATGGTCTTTGATGGCATTAAATCGATGGATTAAGGAGATTGATGAGCATGCCCC  
TGGGGTTCCTAAAATCTTGGTGGAAATCGGCTGCACCTGGCATTCAAGCGACAGGTGCCACTGAACAG  
GCCAGGCCTACGCCGAGCGCCTGGGTGTGACCTTCTTTGAGGTTAGCCCTCTGTGCAACTTCAACATTA  
CAGAGTCTTACAGAGCTGGCTAGGATCGTGTGCTGCGGCATGGGATGGACCGTCTCTGGAGGCCGAG  
CAAGGTAAGTGTGCAAGAGCTCTGCTGCCGTGCTGTGGTGTCTGCTGCACGCCTGGGCACCTGGTGTAGC  
AAGTCCCCCTCCCTGTCGCCTTAAGAAGCCACCTAAGTCTTTCTCGATGGCCAGTGGCCTGAACACCA  
GGATGATGCATGGCCGCTCCTACTCCCTCACTGCCAATCCAGCCACAAGAGGAACAGCTTCCGAAAGT  
CAGGACCATCCGCCACCCAGAGCCCGCCAGGAAGTGTGCCAGGAACAGCTGCAAAATTTCT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203752 representing NM\_139147  
 Red=Cloning site Green=Tags(s)

MSSLGSPVRAYDFLLKFLLVGDSVDVGKGEILASLQDGAESPYPGHPAGIDHKTTTILLDGRRVKLQLWDT  
 SGQGRFCTIFRSYSRGAQGVVLVYDIANRWSFDGINRWIKEIDEHAPGVPKILVGNRLHLAFKRVPTTEQ  
 AQAYAERLGVTFEVSPLCNFNITESFTELARIVLLRHGMDRLWRPSKVLSLQELCCRAVVSCTPGHLVD  
 KLPLPVALRSHLKSFSMASGLNTRMMHGRSYSLTANSSHKRNSFRKVRTIRPPQSPPRNCARNSCKIS

TRTRPLE - GFP Tag - V

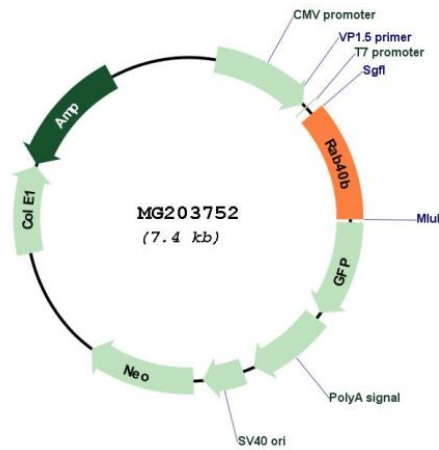
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_139147

**ORF Size:** 834 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_139147.2</a> , <a href="#">NP_631886.1</a>
<b>RefSeq Size:</b>	1871 bp
<b>RefSeq ORF:</b>	840 bp
<b>Locus ID:</b>	217371
<b>Cytogenetics:</b>	11 E2