

## Product datasheet for **MG202490**

### Rab3b (NM\_023537) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rab3b (NM_023537) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rab3b
Synonyms:	2610528C18Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202490 representing NM_023537 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTTCAGTGACTGATGGTAAGACTGGAATCAAAGATGCCTCCGACCAGAAGCTTTGACTACATGTTCA  
AACTGCTCATCATTGGCAACAGCAGCGTCGGGAAGACCTCCTTCCTTTCCGCTATGCTGATGACACCTT  
CACCCCTGCCTTTGTGAGCACTGTGGGTATCGACTTCAAAGTGAAGACAGTCTACCGCCATGAGAAGCGT  
GTGAAGCTGCAGATATGGACACAGCTGGCAAGAGCGGTACCGGACCATCACCACAGCCTACTACCGTG  
GGCCATGGGCTTCATTCTCATGTATGACATCACCAACGAGGAGTCCCTCAATGCTGTCCAGGACTGGGC  
TACTCAGATTAAGACCTACTCCTGGGACAACGCACAGGTATTCTCGTGGGAAAT AAGTGTGACATGGAA  
GAGGAAAGAGTGGTCCCAACTGAGAAGGGCCGGCTCCTGGCAGAACAGCTTGGGTTTGACTTCTTTGAAG  
CCAGCGCCAAGGAGAACATCAGTGTGAGGCAGGCCTTCGAGCGGCTGGTGGATGCCATCTGCGATAAGAT  
GTCTGACTCGATGGACACAGACCCTCCGTGCTAGGCGCTCCAAGACGACGCGGCTCTCAGACACCCCA  
CCTCTGCTGCAGCAGAAGTCTCTTGT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG202490 representing NM\_023537  
 Red=Cloning site Green=Tags(s)

MASVTDGKTGIKDASDQNFDFYMFKLLIIGNSSVGKTSFLFRYADDTFTPAFVSTVGIDFKVKTVYRHEKR  
 VKLQIWDTAGQERYRTITTAYYRGAMGFILMYDITNEESFNAVQDQWATQIKTYSWDNAQVILVGNKCDME  
 EERVVPTTEKGRLLAEQLGFDFFEASAKENISVRQAFERLVD AICDKMSDSMDTDP SVL GASKTTRLSDTP  
 PLLQQNCSC

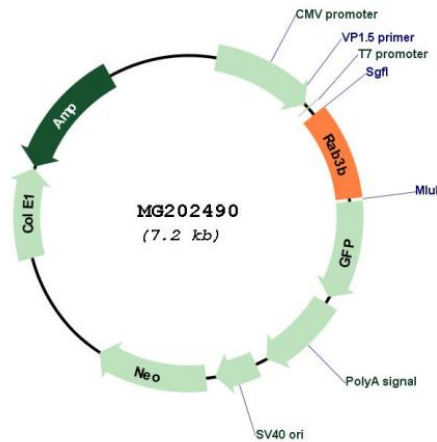
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_023537

**ORF Size:** 657 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_023537.5</a> , <a href="#">NP_076026.1</a>
<b>RefSeq Size:</b>	3320 bp
<b>RefSeq ORF:</b>	660 bp
<b>Locus ID:</b>	69908
<b>UniProt ID:</b>	<a href="#">Q9CZT8</a>
<b>Cytogenetics:</b>	4 C7
<b>Gene Summary:</b>	Protein transport. Probably involved in vesicular traffic (By similarity).[UniProtKB/Swiss-Prot Function]