

Product datasheet for **MG202387**

Rab2b (NM_172601) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rab2b (NM_172601) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rab2b
Synonyms:	1500012D09Rik; 4930528G15Rik; A230002G14; D530043M21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202387 representing NM_172601 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGACTTACGCTTATCTCTTCAAGTACATCATCGGAGACACAGGTGTGGGAAGTCATGTCTCCTCC
TTCAGTTTACCGACAAGCGTTCCAGCCCGTGCACGACCTCACAATAGGTGTGGAGTTGGAGCACGTAT
GGTCAACATCGATGGAAAACAACTCAAATCTGGGATACGGCTGGCAAGAGTCCTTCCGTTCT
ATCACCCGTTCTACTACAGGGGAGCAGCTGCAGCCCTGCTGGTGTATGACATCACGAGACGCGAAACCT
TCAACCACCTGACCTCATGGTTAGAGGACGCCCGCAGCACTCCAGCTCCAACATGGTTATAATGCTGAT
CGGAATAAGAGTGATCTAGAATCTCGAAGGGATGTGAAGAGAGAGGAAGGAGAGCCTTTGCTCGTGAG
CACGGCCTTATATTCATGGAAACATCAGCCAAGACAGCCTGCAATGTTGAAGAGGCTACATTAATACAG
CCAAAGAAATATATAGGAAGATCCAGCAAGGTTTATTTGATGTCCACAATGAGGCAAATGGCATCAAGAT
TGGGCCCCAGCAGTCAATTACCTCCTCAGTAGGACCGTGTCCCTCAGCAGAACGTTTCTGACATAGGG
CCTGACTCTGGCTGCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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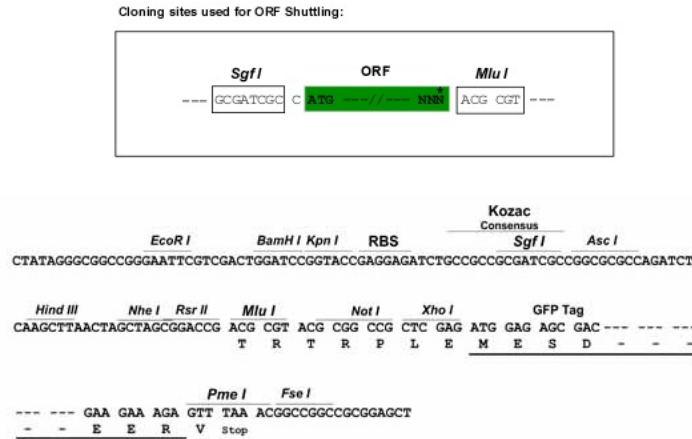
Protein Sequence: >MG202387 representing NM_172601
Red=Cloning site Green=Tags(s)

MTYAYLFKYIIIGDVGKSCLLLQFTDKRFQPVHDLTIGVEFGARMVNIDGKQIKLQIWDTAGQESFRS
 ITRSYYRGAALLVYDITRRETFNHLTSWLEDARQHSSNMVIMLIGNKSDLESRRDVKREEGEAFARE
 HGLIFMETS AKTACNVEEAYINTAKEIYRKIQQLFDVHNEANGIKIGPQQSITSSVGPSPQQNVSDIG
 PDSGCC

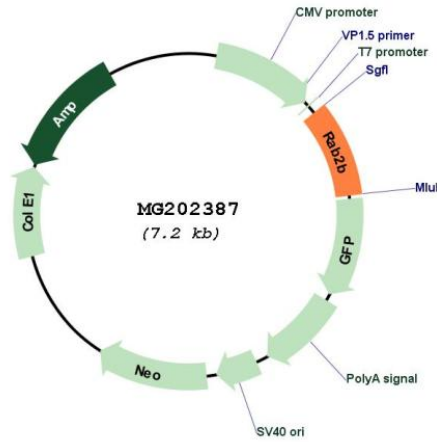
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_172601

ORF Size: 648 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:	<ol style="list-style-type: none">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.
RefSeq:	NM_172601.1 , NP_766189.1
RefSeq Size:	2680 bp
RefSeq ORF:	651 bp
Locus ID:	76338
UniProt ID:	P59279
Cytogenetics:	14 C2
Gene Summary:	Required for protein transport from the endoplasmic reticulum to the Golgi complex. [UniProtKB/Swiss-Prot Function]