

Product datasheet for **MG202336**

Rab4b (NM_029391) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rab4b (NM_029391) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Rab4b
Synonyms: 1500031G17Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG202336 representing NM_029391
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGAGACCTACGACTTCCTCTTCAAATTCCTGGTGATTGGCAGTGCTGGAAGTGGCAAATCATGTC
TTCTCCACCAGTTTATTGAGAATAAGTTCAAACAGGACTCCAACCACACTATCGGCGTGGAGTTTGGATC
CAGGGTGGTCAACGTTGGGGGAAGACTGTGAACTACAGATTTGGGACACTGCTGGCCAGGAGCGGTTT
CGGTCGGTGACGCGGAGTTATTACCGAGGGGCAGCTGGAGCCCTGCTGGTGTATGACATCACCAGCCGGG
AGACATACAACTCACTCGCTGCTTGGCTAACTGATGCCCGGACACTGGCCAGCCCAACATCGTGGTCAT
CCTCTGTGGCAACAAGAAGGACCTGGATCCCGAGCGTGAGGTCACCTTCCCTAGAGCTTCTCGCTTTGCT
CAGGAGAATGAGCTGATGTTCTGGAGACCAGCGCTCTCACGGGTGAGAATGTGGAAGAAGCTTTCCTCA
AGTGCGCGCGCACCATCCTCAACAAGATCGACTCAGGTGAACTAGACCCAGAGAGGATGGGTTTCAGGCAT
TCAGTATGGCGACATATCCCTCCGCCAGCTGCGGCAGCCTCGCAGCGCCAAGCCGTGGCCCTCAGCCC
TGTGGCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202336 representing NM_029391
 Red=Cloning site Green=Tags(s)

MAETYDFLFKFLVIGSAGTGKSCLLHQFIENKFKQDSNHTIGVEFGSRVVNVGGKTVKQLIWDTAGQERF
 RSVTRSYYRGAAGALLVYDITSRETYNSLAAWLTDARTLASPNIIVILCGNKKDLDPEREVTFLEASRFA
 QENELMFLETSALTGENVEEAFKLCARTILNKIDSGELDPERMGSGIQYGDISLRQLRQPRSAQAVAPQP
 CGC

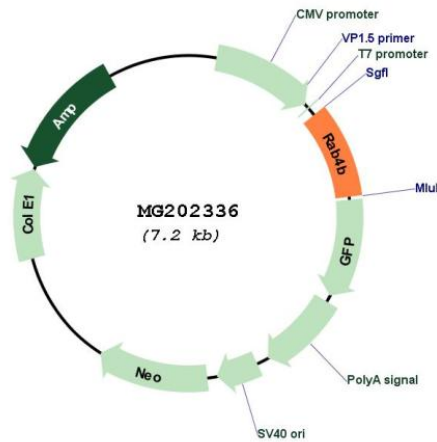
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_029391

ORF Size: 639 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_029391.2 , NP_083667.1
RefSeq Size:	1170 bp
RefSeq ORF:	642 bp
Locus ID:	19342
UniProt ID:	Q91ZR1
Cytogenetics:	7 15.84 cM
Gene Summary:	Protein transport. Probably involved in vesicular traffic (By similarity).[UniProtKB/Swiss-Prot Function]