

Product datasheet for **MG201117**

Rab27b (BC018443) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rab27b (BC018443) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Rab27b
Synonyms: 2310021G14Rik; B130064M09Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201117 representing BC018443
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACACACAAGGAGCAGATGGAGCGTCAGGAAAAGCGTTTAAGGTTCCGGAGCCTTACCACTGCCTTCT
 TCAGAGATGCCATGGGCTTCTTACTGATGTTTGACCTCACCAGTCAACAGAGCTTCTTGAATGTCAGAAA
 CTGGATGAGTCAACTGCAGGCAAATGCTTACTGTGAAAACCCAGACATAGTATTAATTGGCAACAAGGCA
 GACCTGCCAGACCAAAGGAAGTCAATGAACGGCAAGCACGGGAGCTGGCTGAAAAATATGGCATAACCAT
 ACTTCGAAACAAGCGCAGCTACAGGACAGAATGTAGAGAAGTCAGTGAAACGCTTCTGGACTTAATCAT
 GAAGAGAATGGAAAAGTGTGTAGAGAAGACACAGGTTCCGGACACTGTCAATGGAGGAAATCTGGAAAG
 CTGGATGGGGAAAAGCCAGCAGAAAAGAAATGTGCCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201117 representing BC018443
 Red=Cloning site Green=Tags(s)

MTHKEQMERQEKRLRFRSLTTAFFRDAMGFLMFDLTSQQSFLNVRNWMSQLQANAYCENPDIVLIGNKA
 DLPDQREVNERQARELAEKYGIPYFETSAAATGQNVKSVETLLDLIMKRMEKCVKQVDPDVTNNGNSGK
 LDGEKPAEKKCAC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

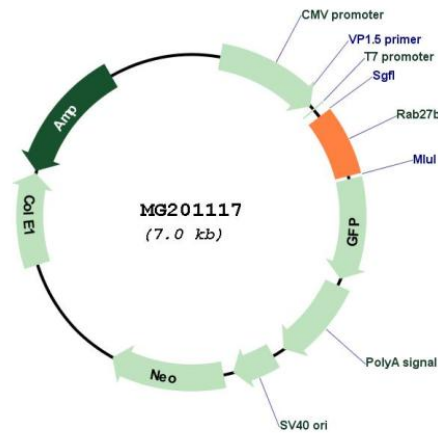


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Cloning Scheme:



Plasmid Map:



ACCN: BC018443

ORF Size: 459 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:	<u>BC018443.1</u>
RefSeq Size:	2431 bp
RefSeq ORF:	461 bp
Locus ID:	80718
Cytogenetics:	18 43.89 cM
Gene Summary:	Plays a role in NTRK2/TRKB axonal anterograde transport by facilitating the associaton of NTRK2/TRKB with KLC1. May be involved in targeting uroplakins to urothelial apical membranes.[UniProtKB/Swiss-Prot Function]