

Product datasheet for **MG202445**

Rab27b (NM_001082553) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rab27b (NM_001082553) 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:	>MG202445 representing NM_001082553 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTGATGGAGACTATGATTATCTGATTAACTCCTGGCCCTTGAGACTCAGGAGTCGGAAGACAA
CATTTCTCTATAGATACACAGACAATAAATTCATCCCAAATTCATCACCACAGTGGGAATAGATTTTCG
GGAAAAACGTGTGGTTTATGACACACAAGGAGCAGATGGAGCGTCAGGAAAAGCGTTTAAGGTACATCTG
CAGCTTTGGGACACTGCTGGACAAGAGCGGTTCCGGAGCCTTACCACTGCCTTCTCAGAGATGCCATGG
GCTTCTTACTGATGTTTGACCTACCAGTCAACAGAGCTTCTTGAATGTCAGAACTGGATGAGTCAACT
GCAGGCAAATGCTTACTGTGAAAACCCAGACATAGTATTAATTGGCAACAAGGCAGACCTGCCAGACCAA
AGGGAAGTCAATGAACGGCAAGCACGGGAGCTGGCTGAAAAATATGGCATACCATACTTCGAAAACAAGCG
CAGCTACAGGACAGAATGTAGAGAAGTCAGTGGAAACGCTTCTGGACTTAATCATGAAGAGAATGGAAAA
GTGTGTAGAGAAGACACAGGTTCCGGACTGTCAATGGAGGAAATCTGGAAAGCTGGATGGGAAAAAG
CCAGCAGAAAAGAAATGTGCCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202445 representing NM_001082553
 Red=Cloning site Green=Tags(s)

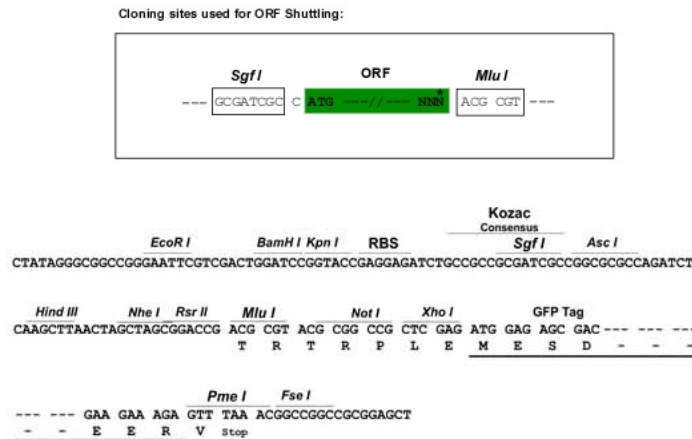
MTDGDYDYLKLLALGDSGVGKTTFLYRYTDNKFNPKFITTVGIDFREKRVVYDTQGADGASGKAFKVHL
 QLWDTAGQERFSLTTAFFRDAMGFLMFDLTSQQSFLNVRNWMSQLQANAYCENPDIVLIGNKADLPDQ
 REVNERQARELAEKYGIPIYFETSAAATGQNVKESVETLLDLIMKRMEKCKVEKTQVPDVTVNGGNSGKLDGEK
 PAEKKCAC

TRTRPLE - GFP Tag - V

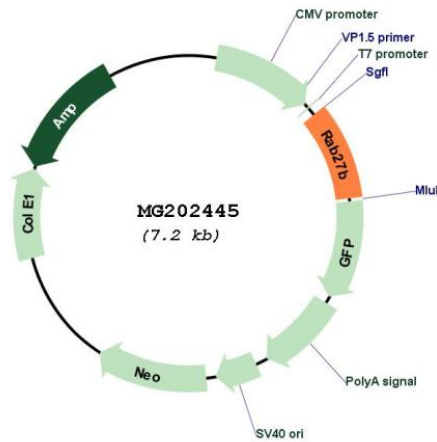
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001082553

ORF Size: 654 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_001082553.2 , NP_001076022.1
RefSeq Size:	6876 bp
RefSeq ORF:	657 bp
Locus ID:	80718
UniProt ID:	Q99P58
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]