

## Product datasheet for **MG221653**

### **Rab5b (NM\_177411) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rab5b (NM_177411) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rab5b
Synonyms:	C030027M18Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG221653 representing NM_177411 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACTAGCAGAAGTACAGCCAGGCCCAATGGGCAACCCAGGCCAGCAAAATATGCCAGTTCAAATTGG  
TCCTGCTGGGAGAGTCTGCAGTGGGAAGTCTAGCCTGGTGTACGTTTTGTCAAAGGACAGTTCATGA  
ATACCAGGAAAGCACCATTGGAGCGCCTTCCTCACCAATCCGTGTGTTAGATGACACAACAGTCAAG  
TTTGAGATCTGGGACACTGCTGGCAGGAGCGATACCACAGTTTAGCCCTATGTACTACAGGGGTGCC  
AGGCTGCAATCGTGGTCTATGATATTACTAATCAGGAAACGTTTGCTCGGGCAAAGACATGGGTAAGGA  
ACTACAGCGGCAAGCCAGCCCTAGCATTGTTATTGCCTTGGCAGGGAACAAGCTGACCTTGCCAACAAG  
CGCATGGTGGAGTATGAAGAGGCTCAGGCATATGCAGATGACAACAGCTTATTATTTATGGAGACTTCAG  
CTAAGACTGCTATGAACGTGAATGATCTCTTCCTGGCAATAGCAAAGAAGTTGCCAAAGAGCGAACCCCA  
GAATCTGGGGGTGCGGCAGGCCGAAGTCGGGTGTGGATCTTCATGAGCAGTCCAGCAGAAACAAGAGC  
CAGTGTGTAGCAAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG221653 representing NM\_177411  
 Red=Cloning site Green=Tags(s)

MTSRSTARPNQPPQASKICQFKLVLLGESAVGKSSLVLRVFKGQFHEYQESTIGAAFLTQSVCLDDTTVK  
 FEIWDTAGQERYHSLAPMYRGAQAAIVVYDITNQETFARAKTWVKELQRQASPSIVIALAGNKADLANK  
 RMVEYEEAQAYADDNLLFMETSAKTAMNVNDLFLAIAKKLPKSEPQNLGGAAGRSRGVDLHEQSQQNKS  
 QCCSN

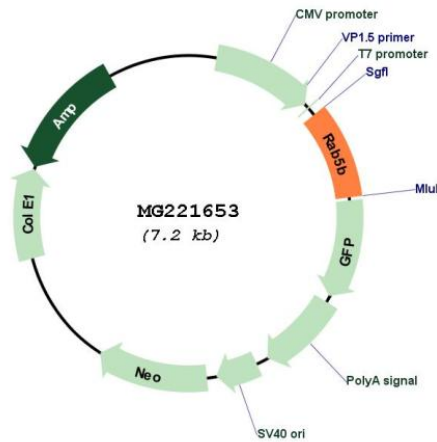
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_177411

**ORF Size:** 645 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_177411.4</a> , <a href="#">NP_803130.1</a>
<b>RefSeq Size:</b>	3180 bp
<b>RefSeq ORF:</b>	648 bp
<b>Locus ID:</b>	19344
<b>UniProt ID:</b>	<a href="#">P61021</a>
<b>Cytogenetics:</b>	10 D3
<b>Gene Summary:</b>	Protein transport. Probably involved in vesicular traffic (By similarity).[UniProtKB/Swiss-Prot Function]