

## Product datasheet for **RG228107**

### **RAB2B (NM\_001163380) Human Tagged ORF Clone**

#### Product data:

Product Type: Expression Plasmids  
Product Name: RAB2B (NM\_001163380) Human Tagged ORF Clone  
Tag: TurboGFP  
Symbol: RAB2B  
Mammalian Cell Selection: Neomycin  
Vector: pCMV6-AC-GFP (PS100010)  
E. coli Selection: Ampicillin (100 ug/mL)  
ORF Nucleotide Sequence: >RG228107 representing NM\_001163380  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTCAACATTGATGGAAAACAACTCAAACCTGCAAATCTGGGATACGGCTGGGCAAGAATCCTCCGTT  
CTATCACCCGTTCTACTACAGGGGAGCAGCTGGAGCACTGCTGGTGTACGACATTACAAGGCGTGAAAC  
CTTCAACCACCTGACCTCATGGTTAGAGGATGCCCGCAGCACTCTAGTTCCAACATGGTTATCATGCTC  
ATTGGGAATAAGAGTGACCTAGAGTCCCGCAGGGATGTGAAGAGAGAAGAAGGAGAGGCCCTTTGCTAGGG  
AGCATGGACTTATATTCATGAAAACCTCAGCCAAAACAGCCTGCAATGTTGAAGAGGCCCTTCATTAACAC  
AGCCAAAGAAATATATAGGAAGATCCAGCAGGGTTTATTTGATGTCCACAATGAGGCAAAATGGCATCAAG  
ATTGGGCCCAACAGTCAATTTCAACATCAGTGGACCCAGTGCCTCCCAGCGAACTCTCGTGACATAG  
GGTCCAACCTCTGGCTGCTGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG228107 representing NM\_001163380  
Red=Cloning site Green=Tags(s)

MVNIDGKQIKLQIWDTAGQESFRSITRSYYRGAAGALLVYDITRRETFNHLTSWLEDARQHSSSNMVI  
IGNKSDLESRRDVKREEGEAFAREHGLIFMETSAKTACNVEEAFINTAKEIYRKIQQGLFDVHNEANGIK  
IGPQQSISTSVGPSASQRNSRDIGSNSGCC

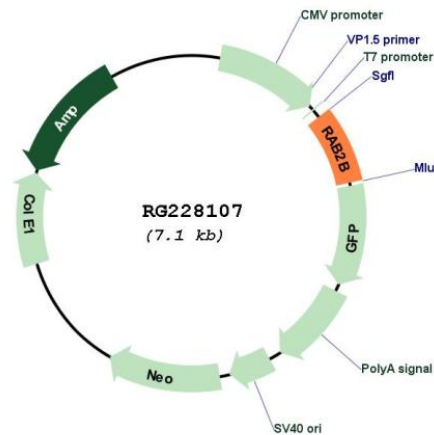
**TRTRPLE** - GFP Tag - V

Restriction Sites: SgfI-MluI



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**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001163380

**ORF Size:** 510 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.

<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>	<u>NM_001163380.2</u>
<b>RefSeq Size:</b>	2883 bp
<b>RefSeq ORF:</b>	513 bp
<b>Locus ID:</b>	84932
<b>UniProt ID:</b>	<u>Q8WUD1</u>
<b>Cytogenetics:</b>	14q11.2
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	Members of the Rab protein family are nontransforming monomeric GTP-binding proteins of the Ras superfamily that contain 4 highly conserved regions involved in GTP binding and hydrolysis. Rab proteins are prenylated, membrane-bound proteins involved in vesicular fusion and trafficking; see MIM 179508.[supplied by OMIM, Apr 2006]