

## Product datasheet for **RG210510**

### **RAB21 (NM\_014999) Human Tagged ORF Clone**

#### Product data:

Product Type: Expression Plasmids  
Product Name: RAB21 (NM\_014999) Human Tagged ORF Clone  
Tag: TurboGFP  
Symbol: RAB21  
Mammalian Cell Selection: Neomycin  
Vector: pCMV6-AC-GFP (PS100010)  
E. coli Selection: Ampicillin (100 ug/mL)  
ORF Nucleotide Sequence: >RG210510 representing NM\_014999  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGCGGCCGGCGGGCGGGCGGGCGGGCGGGCGGGCCGAGCCTACTCGTTCAAGGTGGTGC  
TGCTGGGGGAAGGCTGCGTGGGAAGACGTCGCTGGTGCCTACTGCGAGAACAAGTTAAACGACAA  
GCACATCACCACTCTGCAGGCATCATTCTTAACAAAGAAGTTAAATATGGTGGGAAAAGAGTAAACCTT  
GCCATATGGGATACGGCAGGTCAAGAGAGATCCATGCATTGGGTCCAATTTACTACAGAGATCCAATG  
GAGCGATTTTAGTTATGACATAACAGATGAAGATTCTTTTCAGAAGGTAATAAACTGGGTCAAAGAATT  
ACGGAAAATGTTGGGAAATGAAATCTGTTTATGTATAGTTGGTAATAAAATAGACTTGAAAAGGAGAGA  
CATGTTTCCATTCAAGAAGCAGAGTCGTATGCAGAATCTGTGGGAGCAAAACATTATCATACTTCAGCCA  
AACAGAACAAAGGAATTGAGGAACCTTTTCTTGACCTTTGTAAGGATGATAGAAACAGCACAAGTGGA  
TGAGAGAGCAAAAGGCAATGGCTCTAGTCAGCCGGGAAGTCAAGGCGAGGTGTACAGATTATTGATGAT  
GAACCTCAAGCCAGACCAGTGGTGGAGGGTCTGTTCTTCTGGA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

Protein Sequence: >RG210510 representing NM\_014999  
Red=Cloning site Green=Tags(s)

MAAAGGGGGGAAAAGRAYSFKVVLLGEGCVGKTSVLRYCENKFNDKHITTLQASFLTKKLNIGGKRVNL  
AIWDTAGQERFHALGPIYYRDSNGAILVYDITDEDSFQKVNWVKELRKMLGNEICLCIVGNKIDLEKER  
HVSIQEAESYAESVGAHYHTSAKQNKIEELFLDLCKRMIETAQVDERAKNGSSQPGTARRGVQIIDD  
EPQAQTSGGGCCSSG

**TRTRPLE** - GFP Tag - V



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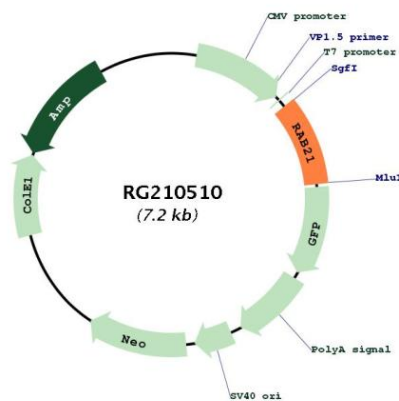
**Cytogenetics:** 12q21.1

**Domains:** ras, RAN, RAS, RHO, RAB

**Protein Families:** Druggable Genome

**Gene Summary:** This gene belongs to the Rab family of monomeric GTPases, which are involved in the control of cellular membrane traffic. The encoded protein plays a role in the targeted trafficking of integrins via its association with integrin alpha tails. As a consequence, the encoded protein is involved in the regulation of cell adhesion and migration. Expression of this gene is associated with a poor prognosis for glioma patients. This gene is downregulated by the tumor suppressor miR-200b, and miRNA-200b is itself downregulated in glioma tissues. [provided by RefSeq, Nov 2015]

**Product images:**



Circular map for RG210510