

## Product datasheet for **RG210698**

### **RAB5C (NM\_201434) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RAB5C (NM_201434) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RAB5C
Synonyms:	L1880; RAB5CL; RAB5L; RABL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG210698 representing NM_201434 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGGTGGGGAGGCGCAGCACGACCCAATGGACCAGCTGCTGGGAACAAGATCTGTCAATTTAAGC  
TGGTTCTGCTGGGGAGTCTGCGGTAGGCAAATCCAGCCTCGTCCTCCGCTTTGTCAAGGGACAGTTTCA  
CGAGTACCAGGAGAGCACAATTGGAGCGGCCTTCCTCACACAGACTGTCTGCCTGGATGACACAACAGTC  
AAGTTTGAGATCTGGGACACAGCTGGACAGGAGCGGTATCACAGCCTGGCCCCATGTACTATCGGGGGG  
CCCAGGCTGCCATCGTGGTCTATGACATCACCAACACAGATACATTTGCACGGGCAAGAAGCTGGGTGAA  
GGAGCTACAGAGGCGAGGCCAGCCCAACATCGTCATTGCACTCGCGGGTAACAAGGCAGACTGGCCAGC  
AAGAGAGCCGTGGAATCCAGGAAGCACAGCCTATGCAGACGACAACAGTTTGTGTTTCATGGAGACAT  
CAGCAAAGACTGCAATGAACGTGAACGAAATCTTCATGGCAATAGCTAAGAAGCTTCCCAAGAACGAGCC  
CCAGAAATGCAACTGGTGCTCCAGGCCGAAACCGAGGTGTGGACCTCCAGGAGAACAACCCAGCCAGCCGG  
AGCCAGTGCTGCAGCAAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG210698 representing NM\_201434  
Red=Cloning site Green=Tags(s)

MAGRGAARPNGPAAGNKICQFKLVLLGESAVGKSSLVLRVKGQFHEYQESTIGAAFLTQTVCLDDTTV  
 KFEIWDTAGQERYHSLAPMYRGAQAAIVVYDITNTDTFARAKNWVKELQRQASPNIVIALAGNKADLAS  
 KRAVEFQEAQAYADDNSLLFMETSAKTAMNVNEIFMAIAKKLPKNPQNATGAPGRNRGVLDLQENNPASR  
 SQCCSN

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_201434

**ORF Size:** 648 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:**

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\\_201434.3](#)

**RefSeq Size:** 1791 bp

**RefSeq ORF:** 651 bp

**Locus ID:** 5878

**UniProt ID:** [P51148](#)

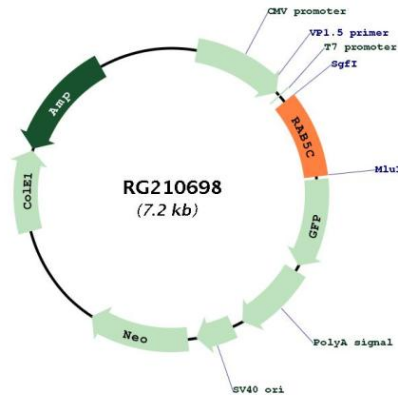
**Cytogenetics:** 17q21.2

**Protein Families:** Druggable Genome

**Protein Pathways:** Endocytosis

**Gene Summary:** Members of the Rab protein family are small GTPases of the Ras superfamily that are thought to ensure fidelity in the process of docking and/or fusion of vesicles with their correct acceptor compartment (Han et al., 1996 [PubMed 8646882]).[supplied by OMIM, Nov 2010]

**Product images:**



Circular map for RG210698