

Product datasheet for **RG232279**

RAB5C (NM_001252039) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RAB5C (NM_001252039) 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: >RG232279 representing NM_001252039
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGTGGAGGTCCCCCTCCCCACTAAGTGCCTCTTTGCATAGCACCAGTCCCCACCCGACG
CTCTCTGGACCACTACAGCTGGACGGGCAATGGCGGGTCGGGAGGCGCAGCAGACCCAATGGACCAGC
TGCTGGGAACAAGATCTGTCAATTTAAGCTGGTCTGCTGGGGGAGTCTGCGGTAGGCAATCCAGCCTC
GTCCTCCGCTTTGTCAAGGGACAGTTTCACGAGTACCAGGAGAGCACAATTGGAGCGGCCTTCTCACAC
AGACTGTCTGCCTGGATGACACAACAGTCAAGTTTGAGATCTGGGACACAGCTGGACAGGAGCGGTATCA
CAGCCTGGCCCCATGTACTATCGGGGGGCCAGGCTGCCATCGTGGTCTATGACATCACCAACACAGAT
ACATTTGCACGGGCAAGAAGTGGTGAAGGAGCTACAGAGGCAGGCCAGCCCCAACATCGTCATTGCAC
TCGCGGGTAACAAGGCAGACCTGGCCAGCAAGAGAGCCGTGGAATTCCAGGAAGCACAAGCCTATGCAGA
CGACAACAGTTTGTGTTTCATGGAGACATCAGCAAAGACTGCAATGAACGTGAACGAAATCTTCATGGCA
ATAGCTAAGAAGCTTCCAAGAAGCAGCCCCAGAATGCAACTGGTGTCCAGGCCGAAACCGAGGTGTGG
ACCTCCAGGAGAACAACCCAGCCAGCCGGAGCCAGTGTGCAGCAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG232279 representing NM_001252039
 Red=Cloning site Green=Tags(s)

MELSWRSPSPLSASLHSTSPHPHALWTTTAGRAMAGRGGGAARPNPAAAGNKICQFKLVLLGESAVGKSSL
 VLRFBVKGQFHEYQESTIGAAFLTQTVCLDDTTVKFEIWDTAGQERYHSLAPMYRGAQAAIVVYDITNTD
 TFARAKNWWYKELQRQASPNIVIALAGNKADLASKRAVEFQEAQAYADDNSLLFMETSAKTAMNVNEIFMA
 IAKKLPKNEPQNATGAPGRNRGVDLQENNPASRSQCCSN

TRTRPLE - GFP Tag - V

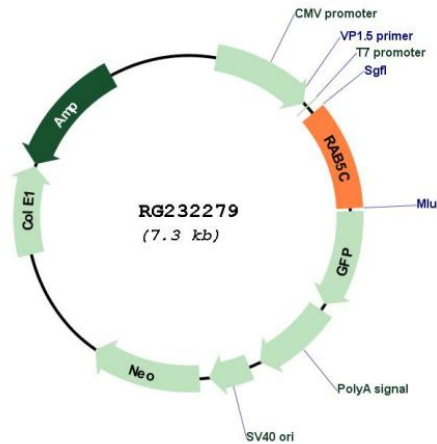
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001252039

ORF Size: 747 bp

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|-------------------------------|---|
| 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_001252039.2 |
| RefSeq Size: | 1918 bp |
| RefSeq ORF: | 750 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] |