

Product datasheet for **RG213160**

RAB6C (NM_032144) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB6C (NM_032144) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RAB6C
Synonyms:	WTH3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213160 representing NM_032144 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCGCGGGCGGAGACTTCGGGAATCCGCTGAGGAAATTCAGCTGGTGTTCCTGGGGGAGCAAAGCG
 TTGCAAGACATCTTTGATCACCAGATTCAGGTATGACAGTTTTGACAACACCTATCAGGCAATAATTGG
 CATTGACTTTTTATCAAAAATATGTACTTGGAGGATGGAACAATCGGGCTTCGGCTGTGGGATACGGCG
 GGTCAGGAACGTCTCCGTAGCCTCATTCCAGGTACATCCGTGATTCTGCTGCAGCTGTAGTAGTTTACG
 ATATCACAAATGTAACTCATTCCAGCAAACACAAAGTGGATTGATGATGTCAGAACAGAAAGAGGAAG
 TGATGTTATCATCAGCTAGTAGGAAATAGAACAGATCTTGCTGACAAGAGGCAAGTGTCAGTTGAGGAG
 GGAGAGAGGAAAGCCAAAGGGCTGAATGTTACGTTTATTGAAACTAGGGCAAAAAGTGGATACAATGTAA
 AGCAGCTCTTTCGACGTGTAGCAGCAGCTTTGCCGGAATGGAAGCACACAGGACGGAAGCAGAGAAGA
 CATGAGTGACATAAACTGGAAGGCCTCAGGAGCAAACAGTCAGCGAAGGGGTTGTTCTGCTACTCT
 CCCATGTCATCTTCAACCCTTCCTCAGAAGCCCCCTTACTCTTTCATTGACTGCAGTGTGAATATTGGCT
 TGAACCTTTCCCTTCATTAATAACGTTTGAATTCATCATTGCTGCCTGTCTCGTGGAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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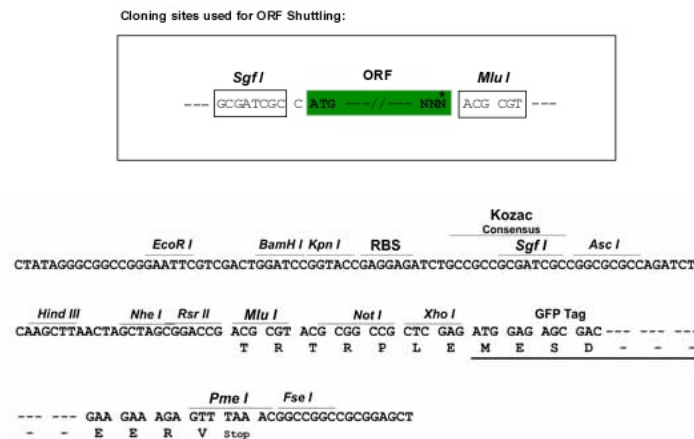
Protein Sequence: >RG213160 representing NM_032144
 Red=Cloning site Green=Tags(s)

MSAGGDFGNPLRKFLVFLGEQSVAKTSLITFRYDSFDNTYQAIIGIDFLSKTMYLEDGTIGLRLWDTA
 GQERLRLSLIPRYIRDSAAAVVYDITNVNSFQQTTKWIDDVRTERGSDVIITLVGNRTDLADKRQVSVEE
 GERKAKGLNVTFIETRAKTGYNVKQLFRRVAAALPGMESTQDGSREDMSDIKLEKPEQTVSEGGCSCYS
 PMSSSTLPQKPPYSFIDCSVNIIGNLFP SLITFCNSSLLPVSWR

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032144

ORF Size: 762 bp

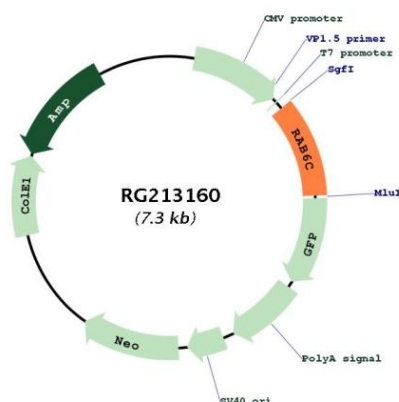
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<u>NM_032144.1, NP_115520.1</u>
RefSeq Size:	3084 bp
RefSeq ORF:	765 bp
Locus ID:	84084
UniProt ID:	<u>Q9H0N0</u>
Cytogenetics:	2q21.1
Domains:	ras, RAN, RAS, RHO, RAB
Protein Families:	Druggable Genome
Gene Summary:	May be involved in the regulation of centrosome duplication and cell cycle progression. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG213160