

Product datasheet for **RG231876**

RAB11A (NM_001206836) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RAB11A (NM_001206836) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RAB11A
Synonyms: YL8
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG231876 representing NM_001206836
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCACCCGCGACGACGAGTACGACTACCTCTTTAAAGTTGTCCTTATTGGAGATTCTGGTGTGGAA
AGAGTAATCTCCTGTCTCGATTTACTCGAAATGAGTTTAACTGGAAAGCAAGAGCACCATTGGAGTAGA
GTTTGAACAAGAAGCATCCAGGTTGATGGAAAAACAATAAGGCACAGATATGGGACACAGCAGGGCAA
GAGCGATATCGAGCTATAACATCAGCATATTATCGTGGAGCTGTAGGTGCCTTATTGTTTATGACATTG
CTAAACATCTCACATATGAAAATGTAGAGCGATGGCTGAAAGAACTGAGAGATCATGCTGATAGTAACAT
TGTTATCATGCTTGTGGCAATAAGAGTGATCTACGTCATCTCAGGGCAGTTCCTACAGATGAAGCAAGA
GCTTTTGCAGAAAAGAATGAAGCAAATGTCAGACAGACGCGAAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG231876 representing NM_001206836
Red=Cloning site **Green**=Tags(s)

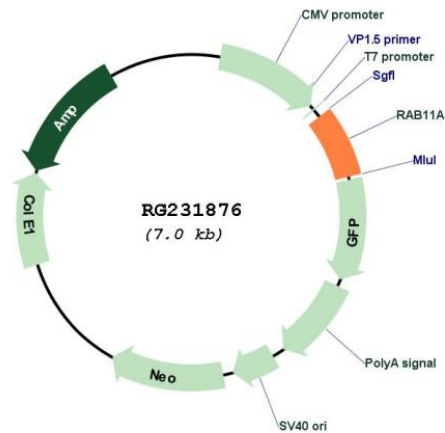
MGTRDDEYDYLKVVLLIGDSGVGKSNLLSRFTRNEFNLESKSTIGVEFATRSIQVDGKTIKAQIWDTAGQ
ERYRAITSAYYRGAVGALLVYDIAKHLTYENVERWLKELRDHADSNIIVMLVGNKSDLRHLRAVPTDEAR
AFAEKNEANVRQTRK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001206836

ORF Size: 465 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:	<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:	<u>NM_001206836.2</u>
RefSeq Size:	4848 bp
RefSeq ORF:	468 bp
Locus ID:	8766
UniProt ID:	<u>P62491</u>
Cytogenetics:	15q22.31
Protein Families:	Druggable Genome
Protein Pathways:	Endocytosis
Gene Summary:	The protein encoded by this gene belongs to the Rab family of the small GTPase superfamily. It is associated with both constitutive and regulated secretory pathways, and may be involved in protein transport. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2011]