

Product datasheet for **RG200352**

RAB11A (NM_004663) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RAB11A (NM_004663) 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: >RG200352 representing NM_004663
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCACCCGCGACGACGAGTACGACTACCTCTTTAAAGTTGTCCTTATTGGAGATTCTGGTGTGGAA
AGAGTAATCTCCTGTCTCGATTTACTCGAAATGAGTTAATCTGGAAAGCAAGAGCACCATTGGAGTAGA
GTTTGCAACAAGAAGCATCCAGGTTGATGGAAAAACAATAAAGGCACAGATATGGGACACAGCAGGGCAA
GAGCGATATCGAGCTATAACATCAGCATATTATCGTGGAGCTGTAGGTGCCTTATTGGTTTATGACATTG
CTAAACATCTCACATATGAAAATGTAGAGCGATGGCTGAAAGAAGTACGAGATCATGCTGATAGTAACAT
TGTTATCATGCTTGTGGCAATAAGAGTGATCTACGTCATCTCAGGGCAGTTCTACAGATGAAGCAAGA
GCTTTTGCAGAAAAGAATGGTTTGTCAATTCATTGAAACTTCGGCCCTAGACTCTACAAATGTAGAAGCTG
CTTTTCAGACAATTTAACAGAGATTTACCGCATTGTTTCTCAGAAGCAAATGTCAGACAGACGCGAAAA
TGACATGTCTCCAAGCAACAATGTGGTTCTATTTCATGTTCCACCAACCACTGAAAAACAAGCAAAGGTG
CAGTGCTGTCAGAACATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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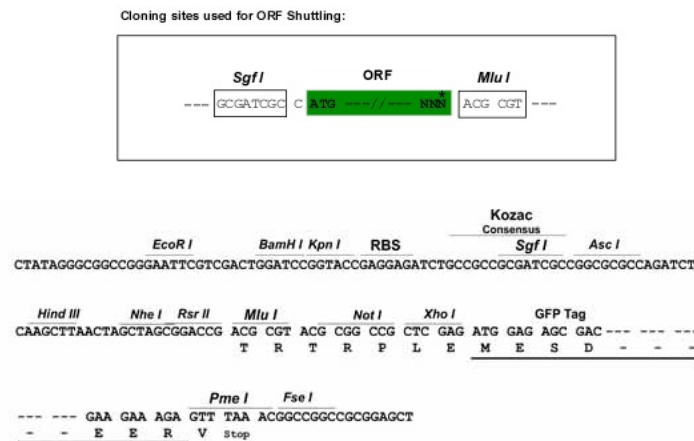
Protein Sequence: >RG200352 representing NM_004663
 Red=Cloning site Green=Tags(s)

MGTRDDEYDYLKVVLLIGDSGVGKSNLLSRFTRNEFNLESKSTIGVEFATRISIQVDGKTIKAQIWDTAGQ
 ERYRAITSAYYRGAVGALLVYDIAKHLTYENVERWLKELRDHADSNIIVMLVGNKSDLRHLRAVPTDEAR
 AFAEKNGLSFIETSALDSTNVEAAFQITLITEIYRIVSQKQMSDRRENDMSPSNNVPIHVPTTENPKKV
 QCCQNI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_004663

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_004663.5](#)

RefSeq Size: 2393 bp

RefSeq ORF: 651 bp

Locus ID: 8766

UniProt ID: [P62491](#)

Cytogenetics: 15q22.31

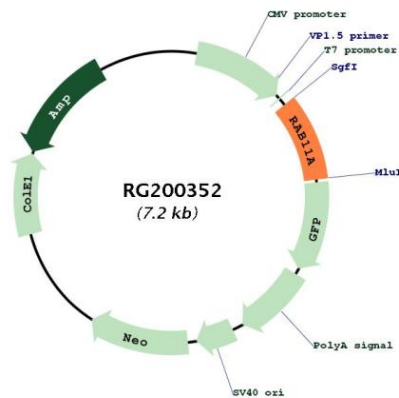
Domains: ras, RAN, RAS, RHO, RAB

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]

Product images:



Circular map for RG200352