

Product datasheet for **RG205033**

RAB2B (NM_032846) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: RAB2B (NM_032846) Human Tagged ORF Clone
 Tag: TurboGFP
 Symbol: RAB2B
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >RG205033 representing NM_032846
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACTTATGCTTATCTCTTCAAGTATATCATCATCGGAGACACAGGTGTGGGAAGTCATGTCTCCTCC
 TGCAGTTTACAGATAAGCGGTTCCAGCCTGTCCACGACCTCACAATAGGTGTGGAGTTTGGAGCTCGTAT
 GGTC AACATTGATGAAAAACAACTCAAAGTCAAATCTGGGATACGGCTGGGCAAGAATCCTTCCGTTCT
 ATCACCCGTTCTACTACAGGGGAGCAGCTGGAGCACTGCTGGTGTACGACATTACAAGGCGTAAACCT
 TCAACCACCTGACCTCATGGTTAGAGGATGCCCGGCAGCACTAGTTC AACATGGTTATCATGCTCAT
 TGGGAATAAGAGTGACCTAGAGTCCCGCAGGGATGTGAAGAGAGAAGAAGGAGAGGCCTTTGCTAGGGAG
 CATGGACTTATATTCATGAAAATTTCAGCCAAAACAGCCTGCAATGTTGAAGAGGCCTTCATTAACACAG
 CCAAAGAAATATATAGGAAGATCCAGCAGGGTTTATTTGATGTCCACAATGAGGCAAATGGCATCAAGAT
 TGGGCCCAACAGTCAATTTCAACATCAGTGGGACCCAGTGCCTCCAGCGGAACCTCGTGACATAGGG
 TCCAACCTGGCTGCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205033 representing NM_032846
 Red=Cloning site Green=Tags(s)

MTYAYLFKYIIIGDVGKSCLLLQFTDKRFQPVHDLTIGVEFGARMVNIDGKQIKLQIWDTAGQESFRS
 ITRSYRGAAGALLVYDITRRETFNHLTSWLEDARQHSSSNMVMILIGNKSDLESRRDVKREEGEAFARE
 HGLIFMETS AKTACNVEEAFINTAKEIYRKIQQLFDVHNEANGIKIGPQQSISTSVGPSASQRNSRDIG
 SNSGCC

TRTRPLE - GFP Tag - V

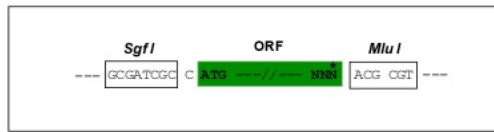


[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM_032846

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_032846.4](#)

RefSeq Size: 2335 bp

RefSeq ORF: 651 bp

Locus ID: 84932

UniProt ID: [Q8WUD1](#)

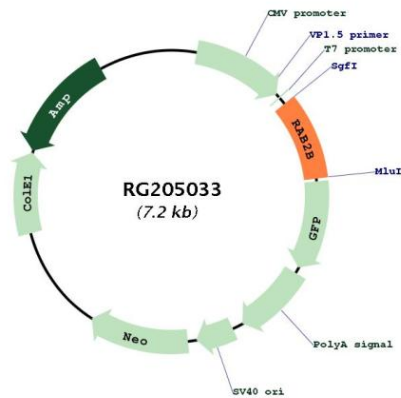
Cytogenetics: 14q11.2

Domains: ras, RAN, RAS, RHO, RAB

Protein Families: Druggable Genome

Gene Summary: Members of the Rab protein family are nontransforming monomeric GTP-binding proteins of the Ras superfamily that contain 4 highly conserved regions involved in GTP binding and hydrolysis. Rab proteins are prenylated, membrane-bound proteins involved in vesicular fusion and trafficking; see MIM 179508.[supplied by OMIM, Apr 2006]

Product images:



Circular map for RG205033