

Product datasheet for **RG202887**

RAB3B (NM_002867) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: RAB3B (NM_002867) Human Tagged ORF Clone
 Tag: TurboGFP
 Symbol: RAB3B
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >RG202887 representing NM_002867
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTTCAGTGACAGATGGTAAAACCTGGAGTCAAAGATGCCTCTGACCAGAATTTGACTACATGTTTA
 AACTGCTTATCATTGGCAACAGCAGTGTGGCAAGACCTCCTTCCCTTTCCGCTATGCTGATGACACGTT
 CACCCAGCCTTCGTTAGCACCGTGGGCATCGACTTCAAGGTGAAGACAGTCTACCGTCACGAGAAGCGG
 GTGAACTGCAGATCTGGACACAGCTGGGCAGGAGCGGTACCGGACCATCACAACAGCCTATTACCGTG
 GGGCCATGGGCTTCATTCTGATGATGACATCACCAATGAAGAGTCTTCAATGCTGCCAAGACTGGGC
 TACTCAGATCAAGACCTACTCCTGGGACAATGCACAAGTTATTCTGGTGGGAACAAGTGTGACATGGAG
 GAAGAGAGGGTTGTTCCCACTGAGAAGGCCAGCTCCTTGCAGAGCAGCTTGGGTTTGATTTCTTTGAAG
 CCAGTGCAAAGGAGAACATCAGTGAAGGCAGGCCTTTGAGCGCCTGGTGGATGCCATTTGTGACAAGAT
 GTCTGATTCGCTGGACACAGACCCGTCGATGCTGGGCTCCTCCAAGAACACGCGTCTCTCGGACACCCCA
 CCGCTGCTGCAGCAGAACTGCTCATGC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG202887 representing NM_002867
 Red=Cloning site Green=Tags(s)

MASVTDGKTGVKDASDQNFDMFKLLIIGNSSVGKTSFLFRYADDTFTPAFVSTVGIDFKVKTVYRHEKR
 VKLQIWDTAGQERYRTITTAYYRGAMGFILMYDITNEESFNAVQDWATQIKTYSWDNAQVILVGNKCDME
 EERVVPTEKGQLLAEQLGFDFFEASAKENISVRQAFERLVDAICDKMSDSLDTDPSMLGSSKNTRLSDTP
 PLLQQNCSC

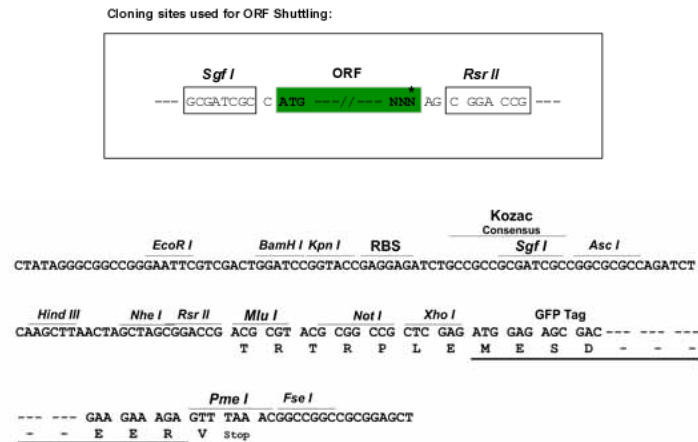
SGP**TRRRLE** - GFP Tag - V



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Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_002867

ORF Size: 657 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_002867.4](#)

RefSeq Size: 1565 bp

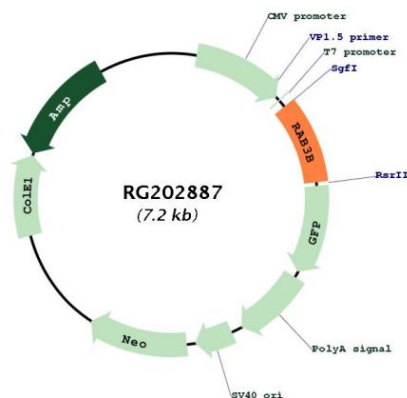
RefSeq ORF: 660 bp

Locus ID: 5865

UniProt ID: [P20337](#)

Cytogenetics:	1p32.3
Domains:	ras, RAN, RAS, RHO, RAB
Protein Families:	Druggable Genome
Protein Pathways:	Tight junction
Gene Summary:	Protein transport. Probably involved in vesicular traffic (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG202887