

Product datasheet for **RG210826**

RAB9B (NM_016370) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RAB9B (NM_016370) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RAB9B
Synonyms: Rab-9L; RAB9L
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG210826 representing NM_016370
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGTGGGAAATCCCTGCTCTTAAAGGTCATTCTCTTGGGTGATGGTGGAGTTGGGAAAAGTTCGCTTA
 TGAACCGTTACGTAACCAACAAATTTGACTCCCAGGCTTTTCACACCATAGGGGTAGAGTTCTTAAATCG
 AGATCTGGAGGTAGATGGACGCTTTGTAACCTCCAGATCTGGGACACTGCAGGGCAGGAACGTTTCAAG
 AGCCTTAGGACACCCTTCTACAGGGGAGCAGACTGCTGCCTCTTGACCTCAGCGTGGATGATCGGCAGA
 GCTTCGAGAATCTTGGTAACTGGCAGAAAGAATTTATTTACTATGCGGATGTGAAGACCCTGAGCATT
 CCCCTTTGTAGTTCTGGGTAACAAGGTAGACAAAGAGGATAGGCAAGTGACTACTGAGGAGGCACAAACC
 TGGTGATGGAGAATGGGATTACCCCTTATTTAGAACTAGTGCCAAAGATGATACTAATGTGACAGTGG
 CCTTTGAAGAAGCTGTCAGGCAGGTGCTGGCTGTAGAGGAACAGCTGGAGCATTGCATGTTGGGTACAC
 CATTGACTTGAACAGTGGCTCCAAGCAGGGTCTTCGTGCTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG210826 representing NM_016370
 Red=Cloning site Green=Tags(s)

MSGKLLLLKVILLGDGGVVKSSLMNRYVTNKFDSQAFHTIGVEFLNRDLEVDGRFVTLQIWDTAGQERFK
 SLRTPFYRGADCLLTFVDDRQSFENLGNWQKEFIYYADVKDPEHFPFVVLGNKVDKEDRQVTTEEAQT
 WCMENGDYPYLETSAKDDTNVTVAFEEAVRQVLAVEEQLEHCMLGHTIDLNSGSKAGSSCC

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_016370

ORF Size: 603 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_016370.4](#)

RefSeq Size: 1049 bp

RefSeq ORF: 606 bp

Locus ID: 51209

UniProt ID: [Q9NP90](#)

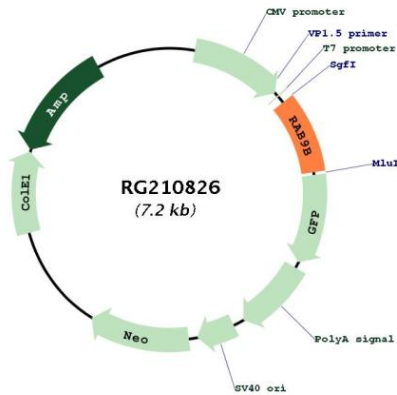
Cytogenetics: Xq22.2

Domains: ras, RAN, RAS, RHO, RAB

Protein Families: Druggable Genome

Gene Summary: This gene encodes a member of a subfamily of RAS small guanosine triphosphate (GTP)-binding proteins that regulate membrane trafficking. The encoded protein may be involved in endosome-to-Golgi transport. [provided by RefSeq, Jan 2010]

Product images:



Circular map for RG210826