

## Product datasheet for RC210826

### RAB9B (NM\_016370) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RAB9B (NM\_016370) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** RAB9B  
**Synonyms:** Rab-9L; RAB9L  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC210826 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGTGGGAAATCCCTGCTCTTAAAGGTCATTCTCTTGGGTGATGGTGGAGTTGGGAAAAGTTCGCTTA  
 TGAACCGTTACGTAACCAACAAATTTGACTCCCAGGCTTTTCACACCATAGGGGTAGAGTTCTTAAATCG  
 AGATCTGGAGGTAGATGGACGCTTTGTAACCTCCAGATCTGGGACACTGCAGGGCAGGAACGTTTCAAG  
 AGCCTTAGGACACCCTTCTACAGGGGAGCAGACTGCTGCCTCTTGACCTCAGCGTGGATGATCGGCAGA  
 GCTTCGAGAATCTTGGTAACTGGCAGAAAGAATTTATTTACTATGCGGATGTGAAGGACCCTGAGCATT  
 CCCCTTTGTAGTTCTGGGTAACAAGGTAGACAAAGAGGATAGGCAAGTGACTACTGAGGAGGCACAAACC  
 TGGTGCATGGAGAATGGGATTACCCCTATTTAGAACTAGTGCCAAAGATGATACTAATGTGACAGTGG  
 CCTTTGAAGAAGCTGTCAGGCAGGTGCTGGCTGTAGAGGAACAGCTGGAGCATTGCATGTTGGGTACAC  
 CATTGACTTGAACAGTGGCTCCAAGCAGGGTCTTCGTGCTGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC210826 protein sequence  
 Red=Cloning site Green=Tags(s)

MSGKSLLLKVILLGDGGVGSLLMNRVYVTKFDSQAFHTIGVEFLNRDLEVDGRFVTLQIWDTAGQERFK  
 SLRTPFYRGADCCLLTFVDDRQSFENLGNWQKEFIYYADVKDPEHFPFVVLGNKVDKEDRQVTTEEAQT  
 WCMENGDYPYLETSKDDTNVTVAFEEAVRQVLAVEEQLEHCLMGLHTIDLNSGSKAGSSCC

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

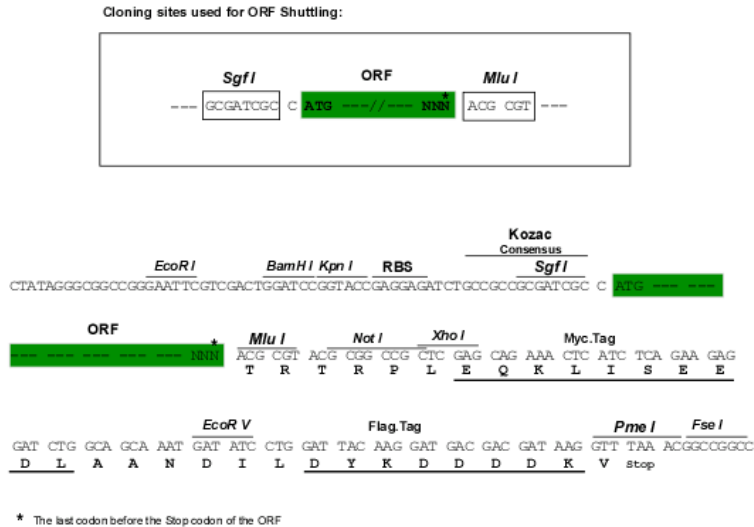


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Chromatograms: [https://cdn.origene.com/chromatograms/mk6374\\_a05.zip](https://cdn.origene.com/chromatograms/mk6374_a05.zip)

Restriction Sites: SgfI-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](#)

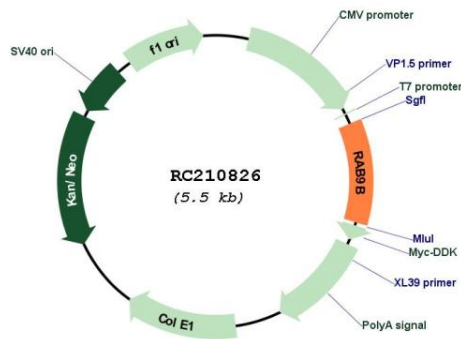
RefSeq Size: 3799 bp

RefSeq ORF: 606 bp

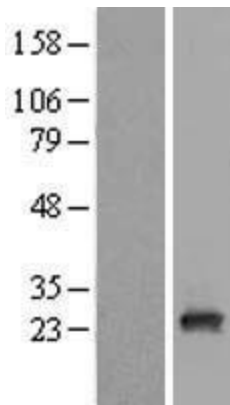
Locus ID: 51209

**UniProt ID:** [Q9NP90](#)  
**Cytogenetics:** Xq22.2  
**Domains:** ras, RAN, RAS, RHO, RAB  
**Protein Families:** Druggable Genome  
**MW:** 22.7 kDa  
**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]

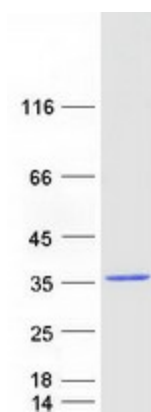
### Product images:



Circular map for RC210826



Western blot validation of overexpression lysate (Cat# [LY413988]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210826 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified RAB9B protein (Cat# [TP310826]). The protein was produced from HEK293T cells transfected with RAB9B cDNA clone (Cat# RC210826) using MegaTran 2.0 (Cat# [TT210002]).