

## Product datasheet for **RG209740**

### **RAB26 (NM\_014353) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RAB26 (NM_014353) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RAB26
Synonyms:	V46133
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209740 representing NM_014353 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCAGGAAGAAGACCCCAAGAGCAAAGGGGCCAGCACCCCGCTGCCTCCACGCTGCCACCGCCA  
ACGGGGCCCGACCGCGCGCTCCGGGACTGCGCTTCCGGCCCGACGCGCCGCCAACGGGCCCTTGCA  
GCCCGCCGGCCCTCGTTGGCGCGGTGTCGACTTCTACGACGTCGCCTTCAAGGTCATGCTGGTGGG  
GACTCGGGTGTGGGAAGACCTGTCTGCTGGTGCATTCAAGGATGGTGTTCCTGGCGGGACCTTCA  
TCTCCACCGTAGGCATTGACTTCCGGAACAAGTTCTGGACGTGGATGGTGTGAAGTGAAGCTGCAGAT  
GTGGGACACAGCTGGTCAGGAGCGGTTCCGCAGTGTACCCATGCCTACTACCGGATGCATGCTCTG  
CTGCTGCTCTACGATGTCAACAAGGCTCCTTTGACAACATCCAGGCCTGGCTGACCGAGATCCACG  
AGTACGCCAGCACGACGTGGCGCTCATGCTGCTGGGAACAAGGTGGACTCTGCCATGAGCGTGTGGT  
GAAGAGGGAGGACGGGGAGAAGCTGGCCAAGGAGTATGGACTGCCCTTCAAGGAGACCAGCGCAAGACG  
GGCCTCAACGTGGACTTGGCCTTACAGCCATAGCAAAGGAGTTGAAGCGGCGCTCCATGAAGGCTCCCA  
CGGAGCCGCGCTCCGGTGCATGATTACGTTAAGAGGGAGGTGAGGGGCCTCCTGCTGCCGCCCT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG209740 representing NM\_014353  
Red=Cloning site Green=Tags(s)

MSRKKTPKSKGASTPAASTLPTANGARPARSGTALSGPDAPPNGPLQPGRPSLGGGVDFYDVAFKVMLVG  
 DSGVGKTCLLVRFKDGAFAGTGFISTVGIIDFRNKVLDVDGVKVKLQMWDTAGQERFRSVTHAYYRDAHAL  
 LLLYDVTNKASFDNIQAWLTEIHEYAQHDVALMLLGNKVDSAHERVVKREDGEKLAKEYGLPFMETS AKT  
 GLNVDLAFTAIKELKRRSMKAPSEPRFRLHDYVKREGRGASCCRP

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NM\_014353

**ORF Size:** 768 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\\_014353.4](#), [NP\\_055168.2](#)

**RefSeq Size:** 1641 bp

**RefSeq ORF:** 771 bp

**Locus ID:** 25837

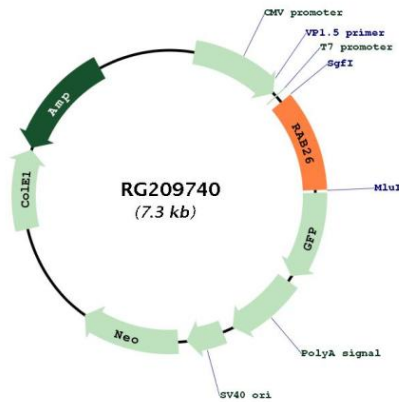
**UniProt ID:** [Q9ULW5](#)

**Cytogenetics:** 16p13.3

**Protein Families:** Druggable Genome

**Gene Summary:** Members of the RAB protein family, including RAB26, are important regulators of vesicular fusion and trafficking. The RAB family of small G proteins regulates intercellular vesicle trafficking, including exocytosis, endocytosis, and recycling (summary by Seki et al., 2000 [PubMed 11043516]).[supplied by OMIM, Nov 2010]

**Product images:**



Circular map for RG209740