

Product datasheet for **RG206519**

RAB27B (NM_004163) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB27B (NM_004163) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RAB27B
Synonyms:	C25KG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206519 representing NM_004163 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCGATGGAGACTATGATTATCTGATCAAACCTCTGGCCCTCGGGGATTCAGGGGTGGGAAGACAA
CATTTCTTTATAGATACACAGATAATAAATTCATCCCAAATTCACACTACAGTAGGAATAGACTTTTCG
GGAAAAACGTGTGGTTTATAATGCACAAGGACCGAATGGATCTTCAGGAAAGCATTAAAGTGCATCTT
CAGCTTTGGGACACTGCGGGACAAGAGCGGTTCCGGAGTCTCACCCTGCATTTTCAGAGACGCCATGG
GCTTCTTATTAATGTTTGACCTACCAGTCAACAGAGCTTCTTAAATGTCAGAACTGGATGAGCCAAC
GCAAGCAAATGCTTATTGTGAAAATCCAGATATAGTATAATTGGCAACAAGGCAGACCTACCAGATCAG
AGGGAAGTCAATGAACGCAAGCTCGGGAAGTGGCTGACAAATATGGCATACCATATTTTGAAACAAGTG
CAGCAACTGGACAGAATGTGGAGAAAGCTGTAGAAACCCCTTTGGACTTAATCATGAAGCGAATGGAACA
GTGTGTGGAGAAGACACAAATCCCTGATACTGTCAATGGTGGAAATCTGGAACTTGGATGGGAAAAAG
CCACCAGAGAAGAAATGTATCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206519 representing NM_004163
 Red=Cloning site Green=Tags(s)

MTDGDYDYLKLLALGDSGVGKTTFLYRYTDNKFNPKFITTVGIDFREKRVVYNAQGPNQSSGKAFKVVHL
 QLWDTAGQERFRSLTTAFFRDAMGFLMFDLTSQQSFLNVRNWMSQLQANAYCENPDIVLIGNKADLPDQ
 REVNERQARELADKYGIPYFETSAAATGQNVKAVETLLDLIMKRMEQCVEKTQIPDVTVNGNSGNLDGEK
 PPEKKCIC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_004163

ORF Size: 654 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_004163.4](#)

RefSeq Size: 1365 bp

RefSeq ORF: 657 bp

Locus ID: 5874

UniProt ID: [O00194](#)

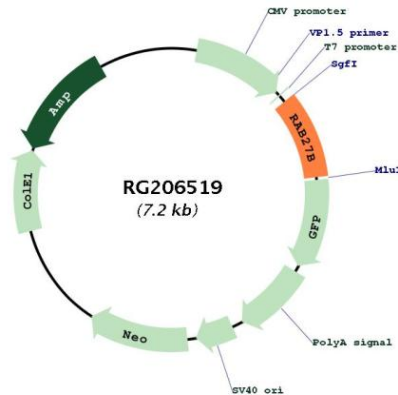
Cytogenetics: 18q21.2

Domains: ras, RAN, RAS, RHO, RAB

Protein Families: Druggable Genome

Gene Summary: Members of the Rab protein family, including RAB27B, are prenylated, membrane-bound proteins involved in vesicular fusion and trafficking (Chen et al., 1997 [PubMed 9066979]). [supplied by OMIM, Nov 2010]

Product images:



Circular map for RG206519