

Product datasheet for **RG202236**

RAB3D (NM_004283) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB3D (NM_004283) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RAB3D
Synonyms:	D2-2; GOV; RAB16; RAD3D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202236 representing NM_004283 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCATCAGCTGGAGACACCCAGGCAGGCCACGGGATGCAGCAGATCAGAAGCTTCGACTATATGTTCA
AACTGCTACTGATAGGCAACAGCAGTGTGGCAAGACTTCCTCCTGTTCCGATACGCGGACGACTCCTT
CACTCCCCTTCGTCAGTACTGTGGGCATCGATTTCAAGGTCAAGACCGTCTACCGCCATGACAAGAGG
ATCAAGCTGCAGATCTGGACACAGCGGGCCAGGAGCGCTACCGCACCATCACCACGGCCTACTACCGGG
GAGCCATGGGCTTCCTGCTCATGTATGACATCGCCAATCAGGAATCCTTTGCCGCTGTGCAGGACTGGC
CAGCAAATCAAGACCTACTCCTGGGACAACGCCAGGTATCCTGGTGGGAACAAGTGTGACCTGGAG
GACGAACGTGTTGTGCCTGCTGAGGATGGCCGGAGGCTCGCCGACGACCTTGTTTCGAGTTCCTTTGAAG
CCAGTGCCAAGGAGAATCAATGTGAAGCAGGTCTTCGAGCGCCTGGTGGATGTCATCTGCGAGAAGAT
GAACGAGTCCCTGGAACCCAGCTCCAGCTCAGGCAGCAACGGAAAGGCCCGGCCGTGGGGGATGCTCCA
GCCCCCAGCCCAGCAGCTGCAGCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG202236 representing NM_004283
 Red=Cloning site Green=Tags(s)

MASAGDTQAGPRDAADQNFDFMKLLLIGNSSVGKTSFLFRYADDSFTPAFVSTVIGIDFKVKTVYRHDKR
 IKLQIWDTAGQERYRTITTAYYRGAMGFLMYDIANQESFAAVQDQWATQIKTYSWDNAQVILVGNKCDLE
 DERVVPAEDGRRRLADDLGFEEFEASAKENINVKQVFERLVDVICEKMNESLEPSSSSGSGNGKGPVGDAP
 APQPSSCSC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_004283

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_004283.4](#)

RefSeq Size: 1904 bp

RefSeq ORF: 660 bp

Locus ID: 9545

UniProt ID: [O95716](#)

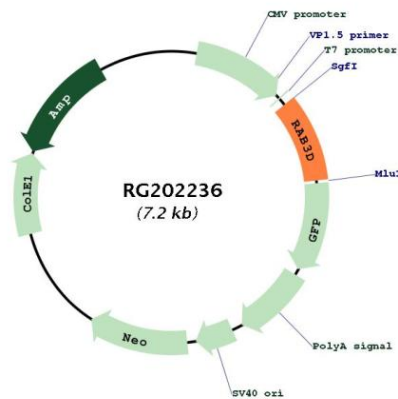
Cytogenetics: 19p13.2

Domains: ras, RAN, RAS, RHO, RAB

Protein Families: Druggable Genome

Gene Summary: Protein transport. Probably involved in regulated exocytosis (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG202236