

Product datasheet for **RG207206**

RAB28 (NM_001017979) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	RAB28
Synonyms:	CORD18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG207206 representing NM_001017979
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCGGACTCTGAGGAGGAGAGTCAGGACCGGCAACTGAAAAATCGTCGTGCTGGGGACGGCGCCTCCG
GGAAGACCTCCTTAACACGTGTTTGGCTCAAGAACTTTGGGAAACAGTACAAACAACTATAGGACT
GGATTTCTTTTGAGAAGGATAACATTGCCAGGAACTTGAATGTTACCCTTCAAATTTGGGATATAGGA
GGGCAGACAATAGGAGGCAAAATGTTGGATAAATATCTATGGAGCACAGGGAGTCCTCTTGGTATATG
ATATTACAAATTATCAAAGCTTTGAGAATTTAGAAGATTGGTATACTGTGGTGAAGAAAGTGAGCGAGGA
GTCAGAACTCAGCCACTGGTTGCCTTGGTAGGCAATAAAATTGATTTGGAGCATATGCGAACAATAAAA
CCTGAAAAACACTTACGGTTTGGCAGGAAATGGTTTTAGTAGCCACTTTGTCTCAGCCAAGACAGGAG
ACTCTGTCTTCTGTGCTTTCAGAAAGTTGCTGCTGAAATCCTTGGGATCAAATTAACAAAGCAGAAAT
AGAACAGTCACAGAGGGTGGTGAAGGCAGATATTGTAACTACAACCAGGAACCTATGTCAAGGACTGTT
AACCTCCTAGAAGCTCTATGTGTGCAGTTCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG207206 representing NM_001017979
Red=Cloning site Green=Tags(s)

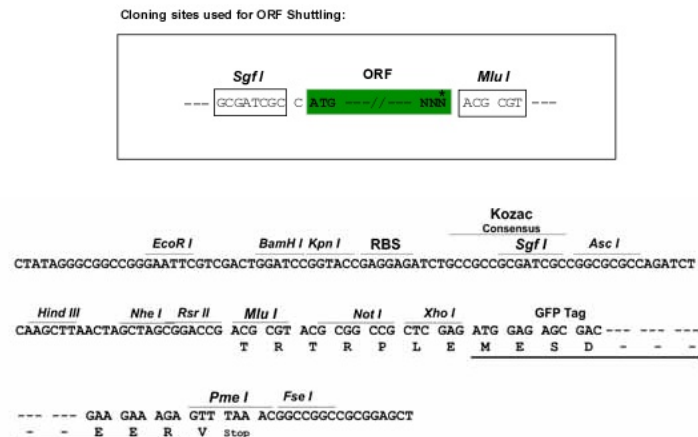
MSDSEESQDRQLKIVLGDGASGKTSLTTCFAQETFGKQYKQTIGLDFFLRRITLPGNLNVTLQIWDIG
GQTIGGKMLDKYIYGAQGVLLVYDITNYQSFENLEDWYTVVKKVSEESQPLVALVGNKIDLEHMRITK
PEKHLRFQENGFSHFVSAKTGDSVFLCFQKVAEILGIKLNKAEIEQSQRVVKADIVNYNQEPMSRTV
NPPRSSMCAVQ

TRTRPLE - GFP Tag - V



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001017979

ORF Size: 663 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001017979.1](#), [NP_001017979.1](#)

RefSeq Size: 1648 bp

RefSeq ORF: 666 bp

Locus ID: 9364

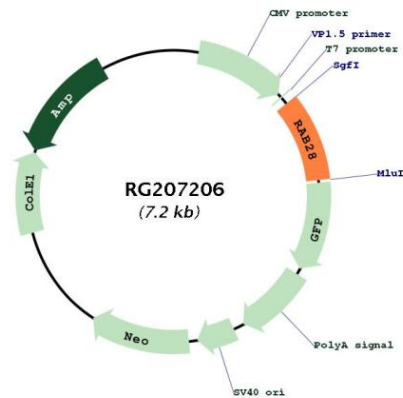
UniProt ID: [P51157](#)

Cytogenetics: 4p15.33

Protein Families: Druggable Genome

Gene Summary: This gene encodes a member of the Rab subfamily of Ras-related small GTPases. The encoded protein may be involved in regulating intracellular trafficking. Alternative splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 9 and X. [provided by RefSeq, Apr 2009]

Product images:



Circular map for RG207206