

Product datasheet for **RC216666**

RAB28 (NM_004249) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB28 (NM_004249) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RAB28
Synonyms:	CORD18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC216666 representing NM_004249 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGACTCTGAGGAGGAGAGCCAGGACCGCAACTGAAAAATCGTCGTGCTGGGGACGGCGCCTCCG
GGAAGACCTCCTTAACACTACGTGTTTTGCTCAAGAACTTTGGGAAACAGTACAAACAACTATAGGACT
GGATTTCTTTTGAAGGATAACATTGCCAGGAACTTGAATGTTACCCTTCAAATTTGGGATATAGGA
GGCAGACAATAGGAGGCAAAATGTTGGATAAATATATCTATGGAGCACAGGGAGTCCTCTTGGTATATG
ATATTACAAATTATCAAAGCTTTGAGAATTTAGAAGATTGGTATACTGTGGTGAAGAAAGTGAGCGAGGA
GTCAGAAACTCAGCCACTGGTTGCCTTGGTAGGCAATAAAATGATTTGGAGCATATGCGAACAATAAAA
CCTGAAAAACACTTACGGTTTTGCCAGGAAAAATGGTTTTAGTAGCCACTTTGTCTCAGCCAAGACAGGAG
ACTCTGTCTTCTGTGCTTTAGAAAGTTGCTGCTGAAATCCTTGGGATCAAATTAACAAAGCAGAAAT
AGAACAGTCACAGCGTATTGTCAGGGCAGAAATAGTGAAGTACCCGGAAGAAGAAATCAACATACCACC
TCTACTCAGAGTAGAATCTGTTTCAGTACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC216666 representing NM_004249
Red=Cloning site Green=Tags(s)

MSDSEESQDRQLKIVVLGDGASGKTSLLTTCFAQETFQKQYKQTIGLDFFLRRITLPGNLNVTLQIWDIG
 GQTIGGKMLDKYIYGAQGVLLVYDITNYQSFENLEDWYTVVKKVSESESTQPLVALVGNKIDLEHMRTIK
 PEKHLRFQENGFSSHFVSAKTGDSVFLCFQKVAEILGIKLNKAEIEQSQRIVRAEIVKYPEEENQHTT
 STQSRICSVQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_004249

ORF Size: 660 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_004249.4](#)

RefSeq Size: 1827 bp

RefSeq ORF: 663 bp

Locus ID: 9364

UniProt ID: [P51157](#)

Cytogenetics: 4p15.33

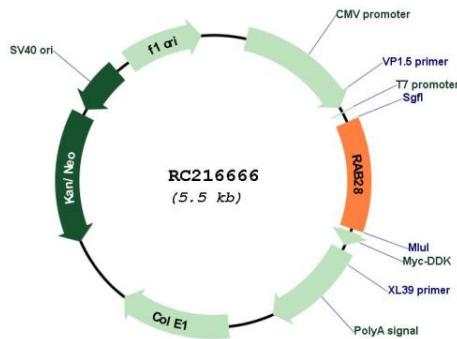
Domains: ras, RAN, RAS, RHO, RAB

Protein Families: Druggable Genome

MW: 24.9 kDa

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 RC216666