

Product datasheet for **RG205467**

RAB40C (NM_021168) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	RAB40C
Synonyms:	RARL; RASL8C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG205467 representing NM_021168
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGGCTCGCAGGGCAGTCCGGTGAAGAGCTACGACTACCTGCTCAAGTTCCTGCTGGTGGGCGACAGCG
ACGTGGGCAAGGGCGAGATCCTGGAGAGCCTGCAGGACGGCGCGGCGAGTCCCCGTACGCCTACAGTAA
CGGGATCGACTACAAGACCACCACCATCTGCTGGACGGCGCGCGTGAAGGCTGGAGCTCTGGGACACG
TCGGGCCAGGGCCGGTTCTGCACCATCTTCAGGTCCTACTCCAGGGCGCTCAGGGGATCCTCTTGGTGT
ATGACATCACCAACCGCTGGTCTTTGACGGCATCGACCGCTGGATCAAGGAGATCGATGAGCATGCACC
CGGAGTCCCCCGGATCTTGGTTGAAACCGGCTGCACCTGGCCTTCAAGCGGCAGGTCCCGACGGAGCAG
GCCCCGCGGTACGCAGAGAAGAACTGCATGACCTTCTTTGAGGTGAGCCCCCTGTGCAACTTCAACGTCA
TCGAGTCCTTCACGGAGCTATCCCGCATCGTGCTCATGCGGCACGGCATGGAGAAGATCTGGAGGCCAA
CCGAGTGTTTCAGCCTGCAGGACCTCTGCTGCCGGGCCATCGTCTCCTGCACCCCGTGCACCTCATCGAC
AAGCTTCACTGCCCGTACCATCAAGAGCCACCTCAAGTCCTTCTCGATGGCCAACGGCATGAACGCGG
TCATGATGCACGGCCGTTCTACTCCCTGGCCAGCGGGGCCGGGGCGGCGGAGCAAGGGCAACAGCCT
CAAGAGGTCCAAGTCCATCCGTCCACCCAGAGCCCCCCCCAGAAGTCTCGCGGAGTAAGTGAAGATC
TCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG205467 representing NM_021168
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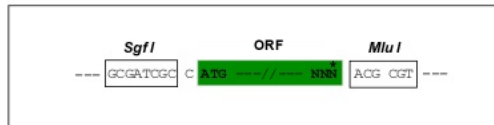
MGSQGSPVKSYDYLLKFLLVGDSVDVGKEILESQDGAAPYAYSNGIDYKTTTILLDGRVRLELWDT
 SGQGRFCTIFRSYSRGAQGIILVYDITNRWSFDGIDRWIKEIDEHAPGVPRILVGNRLHLAFKRQVPTEQ
 ARAYAEKNCMTFFEVSPLCNFNVIESFTELSRIVLMRHGMEKIWRPNRVFSLQDLCCRAIVSCTPVHLID
 KLPLPVTIKSHLKSFSMANGMNAVMHGRSYSLASGAGGGGSKGNSLKRKSKIRPPQSPQNCRSRNSCKI
 S

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



CTATAGGGCGGCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGGCGCCAGATCT

EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI

CAAGCTTAAGTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC ---

HindIII NheI RsrII MluI NotI XhoI GFP Tag

T R T R P L E M E S D - - -

--- GAA GAA AGA GTT TAA ACGGCCGCGCGGAGCT

- - E E R V Stop

ACCN: NM_021168

ORF Size: 843 bp

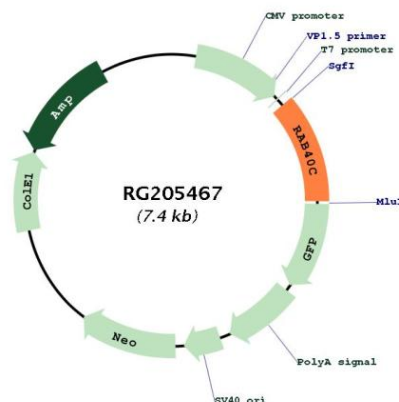
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_021168.3
RefSeq Size:	2632 bp
RefSeq ORF:	846 bp
Locus ID:	57799
UniProt ID:	Q96S21
Cytogenetics:	16p13.3
Domains:	SOCS, ras, RAN, RAS, RHO, RAB
Protein Families:	Druggable Genome
Gene Summary:	Probable substrate-recognition component of a SCF-like ECS (Elongin-Cullin-SOCS-box protein) E3 ubiquitin ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205467