

Product datasheet for **RC205261**

RAB40B (NM_006822) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB40B (NM_006822) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RAB40B
Synonyms:	RAR; SEC4L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC205261 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCGCCCTGGGCAGCCCGGTCCGGCCTACGACTTTCTGCTCAAGTTCCTGCTGGTGGGCGACAGCG
ACGTGGGCAAGGGCGAGATCCTGGCGAGCCTGCAGGATGGCGGGCCGAGTCCACGTACGGCCACCCGGC
GGGCATCGACTACAAGACGACCACCATCTGCTGGACGGGCGGGTGAAGCTGCAGCTCTGGGATACT
TCAGGCCAGGGAAGATTTTGTACCATATCCGCTCCTACTCCCGGGCGCACAGGGTGTGATCCTGGTCT
ATGACATTGCGAACCCTGGTCTTTTACGGCATTGATCGATGGATTAAGGAGATCGATGAGCATGCCCC
CGGAGTCCCAAGATCCTGGTGGGAACCGCCTGCACCTGGCGTTCAAGCGGCAGGTGCCACGGAGCAG
GCCAGGCCTACGCCGAGCGCCTGGGCGTGACCTTCTTTGAGGTGAGCCCTCTGTGCAATTTCAACATCA
CAGAGTCGTTACGGAGCTGGCCAGGATCGTGCTGCTGCGGCATGGGATGGACCGGCTCTGGCGGGCAG
CAAGGTGCTGAGCTTGAAGACCTCTGCTGCCGGGCGGTCTGTCTGACGCGGCTGCACCTGGTGGAC
AAGTCCCCTCCCAATTGCCTTAAGAAGCCACCTCAAGTCTTCTCGATGGCCAACGGCCTGAATGCCA
GGATGATGCACGGCGGTTCTACTCCCTACCACAGCTCCACCCACAAAAGGAGCAGCCTCCGCAAAGT
GAAGCTCGTCCGCCCCCCCCAGAGCCCCCCCCAAAACTGCACCAGAAACAGCTGCAAAATTTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC205261 protein sequence
Red=Cloning site Green=Tags(s)

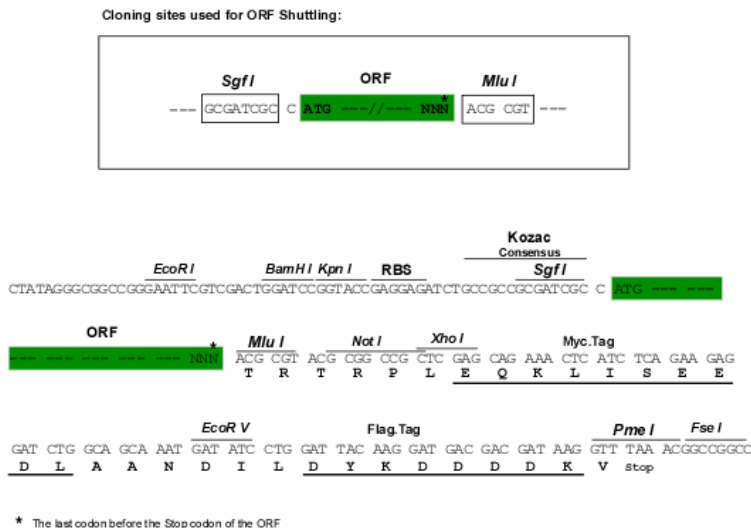
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MSALGSPVRAYDFLLKFLLVGDSVDVGKGEILASLQDGAESTYGHYPAGIDYKTTTILLDGRRVKLQLWDT
SGQGRFCTIFRSYSRGAQGVILVYDIANRWSFDGIDRWIKEIDEHAPGVPKILVGNRLHLAFKRQVPTEQ
AQAYAERLGVTFEVSPLCNFNITESFTELARIVLLRHGMDRLWRPSKVLSQLDLCCRAVVSCTPVHLVD
KLPLPIALRSHLKSFSMANGLNARMMHGGSYSLTTSSTHKRSSLRKVKLVRPPQSPPKNCTRNSCKIS
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6313_g12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006822

ORF Size: 834 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_006822.3](#)

RefSeq Size: 1776 bp

RefSeq ORF: 837 bp

Locus ID: 10966

UniProt ID: [Q12829](#)

Cytogenetics: 17q25.3

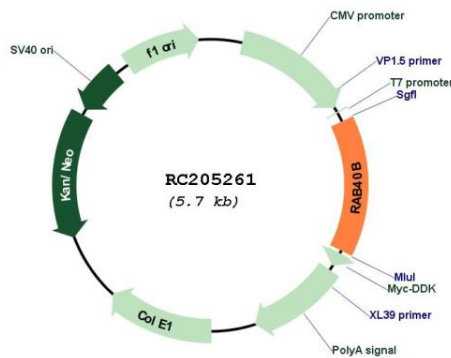
Domains: SOCS, ras, RAN, RAS, RHO, RAB

Protein Families: Druggable Genome

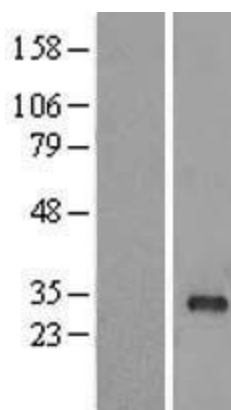
MW: 31 kDa

Gene Summary: The protein encoded by this gene has similarity to a yeast protein which suggests a role of the gene product in regulating secretory vesicles. [provided by RefSeq, Jul 2008]

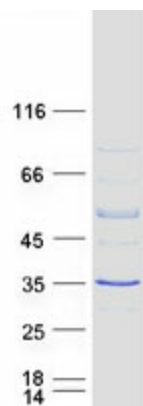
Product images:



Circular map for RC205261



Western blot validation of overexpression lysate (Cat# [LY416399]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205261 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified RAB40B protein (Cat# [TP305261]). The protein was produced from HEK293T cells transfected with RAB40B cDNA clone (Cat# RC205261) using MegaTran 2.0 (Cat# [TT210002]).