

## Product datasheet for **RC236532**

### **RAB30 (NM\_001286060) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RAB30 (NM\_001286060) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** RAB30  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC236532 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGAGTATGGAAGATTATGATTTCTGTTCAAAATTGTTTTAATTGGCAACGCTGGTGTGGGAAGACGT  
GCCTCGTCCGAAGATTCCTCAGGGTCTTTTCCCCCAGGTCAAGGAGCCACAATTGGAGTTGATTTTAT  
GATTAAGACAGTGGAGATTAATGGTGAAAAAGTAAAGCTACAGATCTGGGACACAGCAGGTCAAGAGAGA  
TTTCGGTCCATTACCCAGAGTTACTACCGAAGCGCCAATGCCTTGATCCTCACCTATGACATTACCTGTG  
AGGAATCCTTCCGTTGCCTTCTGAGTGGCTGCGGGAGATAGAACAATATGCCAGCAACAAGGTCATCAC  
TGTGTTAGTGGCAACAAGATTGACCTGGCTGAAAGGAGAGAGGTTTCCAGCAGCAGCTGAAGAATTC  
TCAGAAGCTCAGGACATGTATTATCTGGAGACCTCAGCCAAGGAATCTGATAATGTGGAGAACTCTTCC  
TTGACTTAGCATGCCGACTCATCAGTGAAGCCAGACAGAACACACTTGTGAACAATGTATCCTCACCTT  
ACCTGGAGAAGGGAAAAGCATCAGCTATTTGACTTGTGTAATTTCAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC236532 protein sequence  
Red=Cloning site Green=Tags(s)

MSMEDYDFLFKIVLIGNAGVGKTCVRRFTQGLFPPGQGATIGVDFMIKTVEINGEKVKLQIWDTAGQER  
FRSITQSYRSANALILTYDITCEESFRCLPEWLREIEQYASNKVITVLVGNKIDLAERREVSQQRAEEF  
SEAQDMYYLETSAKESDNVEKLFDLACRLISEARQNTLVNNVSSPLPGEKKSISYLTCCNFN

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6430\\_d08.zip](https://cdn.origene.com/chromatograms/mk6430_d08.zip)



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Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM\_001286060

ORF Size: 609 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\\_001286060.2](#)

RefSeq Size: 9885 bp

RefSeq ORF: 612 bp

Locus ID: 27314

UniProt ID: [Q15771](#)

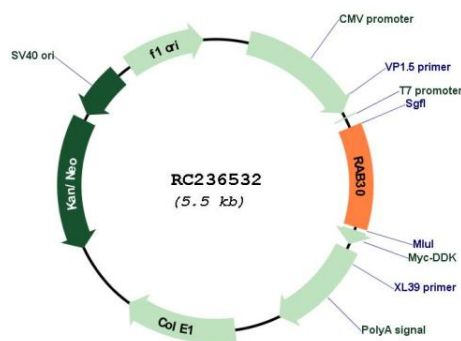
**Cytogenetics:** 11q14.1

**Protein Families:** Druggable Genome

**MW:** 23.1 kDa

**Gene Summary:** The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different set of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion (By similarity). Required for maintaining the structural integrity of the Golgi apparatus, possibly by mediating interactions with cytoplasmic scaffolding proteins. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC236532