

Product datasheet for **RC236533**

RAB30 (NM_001286061) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RAB30 (NM_001286061) 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: >RC236533 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTATGGAAGATTATGATTTCTGTTCAAAATTGTTTTAATTGGCAACGCTGGTGTGGGAAGACGT
GCCTCGTCCGAAGATTCCTCAGGGTCTTTTCCCCCAGGTCAAGGAGCCACAATTGGAGTTGATTTTAT
GATTAAGACAGTGGAGATTAATGGTGAAAAAGTAAAGCTACAGATCTGGGACACAGCAGGTCAAGAGAGA
TTTCGGTCCATTACCCAGAGTTACTACCGAAGCGCCAATGCCTTGATCCTCACCTATGACATTACCTGTG
AGGAATCCTTCCGTTGCCTTCTGAGTGGCTGCGGGAGATAGAACAATATGCCAGCAACAAGGTCATCAC
TGTGTTAGTGGCAACAAGATTGACCTGGCTGAAAGGAGAGAGGTTTCCAGCAGCAGCTGAAGAATTC
TCAGAAGCTCAGGACATGTATTATCTGGAGACCTCAGCCAAGGAATCTGATAATGTGGAGAACTCTTCC
TTGACTTAGCATGCCGACTCATCAGTGAAGCCAGACAGAACACACTTGTGAACAATGTATCCTCACCCCT
ACCTGGAGAAGGGAAAAGCATCAGCTATTTGACTTGTGTAATTTCAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236533 protein sequence
Red=Cloning site Green=Tags(s)

MSMEDYDFLFKIVLIGNAGVGKTCVRRFTQGLFPPGQGATIGVDFMIKTVEINGEKVKLQIWDTAGQER
FRSITQSYRSANALILTYDITCEESFRCLPEWLREIEQYASNKIVITVLVGNKIDLAERREVSQQRAEEF
SEAQDMYYLETSAKESDNVEKLFDLACRLISEARQNTLVNNVSSPLPGEKKSISYLTCCNFN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6430_d08.zip



[View online »](#)

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_001286061

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_001286061.1](#), [NP_001272990.1](#)

RefSeq Size: 9783 bp

RefSeq ORF: 612 bp

Locus ID: 27314

UniProt ID: [Q15771](#)

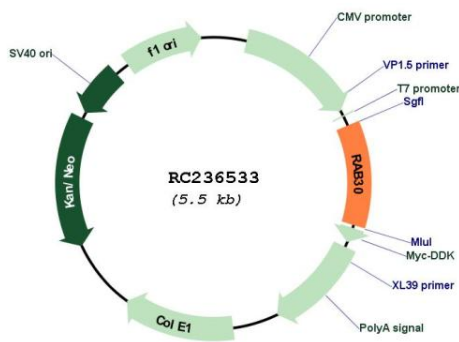
Cytogenetics: 11q14.1

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 RC236533