

Product datasheet for **RG236533**

RAB30 (NM_001286061) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RAB30 (NM_001286061) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RAB30
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236533 representing NM_001286061.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGTATGGAAGATTATGATTTCTGTCAAATTTGTTTAATTGGCAACGCTGGTGTGGGAAGACG
TGCCTCGTCCGAAGATCACTCAGGGTCTTTTCCCCCAGGTCAAGGAGCCACAATTGGAGTTGATTTT
ATGATTAAGACAGTGGAGATTAATGGTAAAAAGTAAAGCTACAGATCTGGGACACAGCAGGTCAAGAG
AGATTTCCGGTCCATTACCCAGAGTACTACCGAAGCGCCAATGCCTTGATCCTCACCTATGACATTACC
TGTGAGGAATCCTCCGTTGCCCTCCTGAGTGGCTGCGGGAGATAGAACAATATGCCAGCAACAAGGTC
ATCACTGTGTTAGTGGCAACAAGATTGACCTGGCTGAAAGGAGAGAGGTTTCCCAGCAGCGAGCTGAA
GAATTCTCAGAAGCTCAGGACATGTATTATCTGGAGACCTCAGCCAAGGAATCTGATAATGTGGAGAAA
CTCTTCTTGACTTAGCATGCCGACTCATCAGTGAAGCCAGACAGAACACACTTGTGAACAATGTATCC
TCACCCTTACCTGGAGAAGGGAAAAGCATCAGCTATTTGACTTGTGTAATTTCAAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236533
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MSMEDYDFLFKIVLIGNAGVGKTCVRRFTQGLFPPGQGATIGVDFMIKTVEINGEKVKLQIWDTAGQE
RFRSITQSYRANALILTYDITCEESFRCLPEWLREIEQYASNKVITVLVGNKIDLAERREVSQQRAE
EFSEAQDMYLETSAKESDNVEKLFDLACRLISEARQNTLVNNVSSPLPGEKKSISYLTCNFN
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



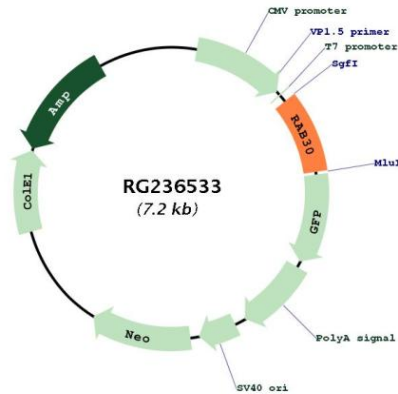
[View online »](#)

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).
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 RG236533