

## Product datasheet for **RC228161**

### **RAB37 (NM\_001163989) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RAB37 (NM\_001163989) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** RAB37  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC228161 representing NM\_001163989  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**

ATGTGGCTCATGTCCGAAGCGCACGGAGCCGAGCCGGTGTGCTCAGGGAGGCTGCCCGCCCTTCACGC  
 AGACCTGCGGCTCTGCGTGCCCTCAGGGAACAGCAAGGTGATGCTTCTGGGAGACACAGGCGTCGGCAA  
 AACATGTTTCTGATCCAATTCAAAGACGGGGCCTTCTGTCCGGAACCTTCATAGCCACCGTCGGCATA  
 GACTTCAGGAACAAGGTGGTGACTGTGGATGGCGTGAGAGTGAAGCTGCAGATCTGGGACACCGCTGGGC  
 AGGAACGGTTCGAAGCGTCACCCATGCTTATTACAGAGATGCTCAGGCCTTGCTTCTGCTGTATGACAT  
 CACCAACAAATCTTCTTCGACAACATCAGGGCCTGGCTCACTGAGATTCATGAGTATGCCAGAGGGAC  
 GTGGTGATCATGCTGCTAGGCAACAAGGCGGATATGAGCAGCGAAAGAGTGATCCGTTCCGAAGACGGAG  
 AGACCTTGGCCAGGGAGTACGGTGTTCCTTCTGGAGACCAGCGCCAAGACTGGCATGAATGTGGAGTT  
 AGCCTTCTGGCCATCGCCAAGGAAGTAAATACCGGGCCGGGCATCAGGCGGATGAGCCCAGCTTCCAG  
 ATCCGAGACTATGTAGAGTCCAGAAGAAGCGCTCCAGCTGCTGCTCCTCATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC228161 representing NM\_001163989  
 Red=Cloning site Green=Tags(s)

MWLMSEAHGAEPVLLREARPFTQTLRLCVPSGNSKVMLLGDTGVGKTCFLIQFKDGAFLSGTFIATVGI  
 DFRNKVVTVDGVRVKLQIWDTAGQERFRSVTHAYYRDAQALLLYDITNKSSFDNIRAWL TEIHEYAQRD  
 VVIMLLGNKADMSSERVISEDGETLAREYGVFPFLETSAKTGMNVELAFLAIAKELKYRAGHQADEPSFQ  
 IRDYVESQKKRSSCCSFM

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

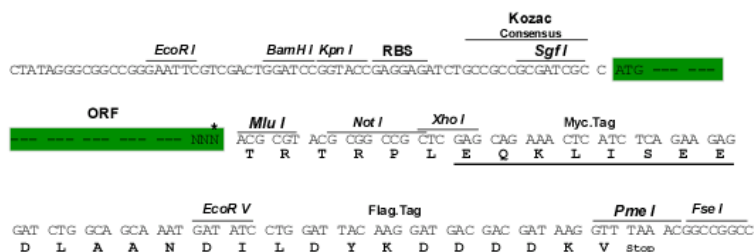
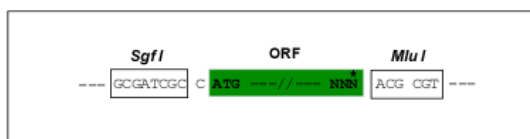


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Restriction Sites: SgfI-MluI

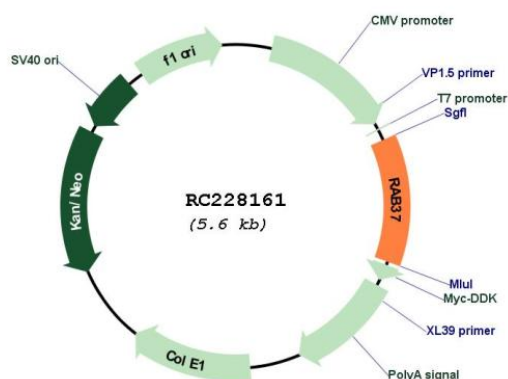
### Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

### Plasmid Map:



ACCN: NM\_001163989

ORF Size: 684 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_001163989.1</a> , <a href="#">NP_001157461.1</a>
<b>RefSeq ORF:</b>	687 bp
<b>Locus ID:</b>	326624
<b>UniProt ID:</b>	<a href="#">Q96AX2</a>
<b>Cytogenetics:</b>	17q25.1
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>MW:</b>	25.5 kDa
<b>Gene Summary:</b>	Rab proteins are low molecular mass GTPases that are critical regulators of vesicle trafficking. For additional background information on Rab proteins, see MIM 179508.[supplied by OMIM, Apr 2006]