

## Product datasheet for **SC301099**

### **RAB37 (NM\_001006638) Human Untagged Clone**

#### Product data:

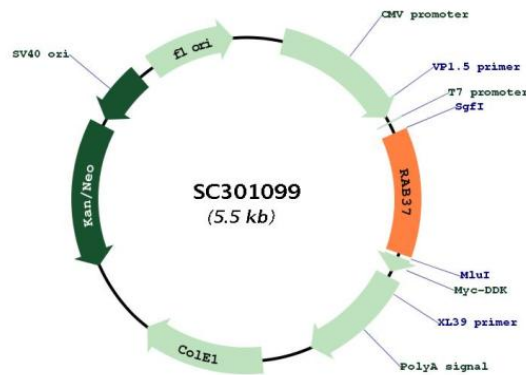
**Product Type:** Expression Plasmids  
**Product Name:** RAB37 (NM\_001006638) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** RAB37  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >SC301099 representing NM\_001006638.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACGGGCACGCCAGGCGCGTTGCCACCCGGGATGGCGAGGCCCCCGAGCGCTCCCCGCCCTGCAGT
CCGAGCTACGACCTCACGGGCAAGGTGATGCTTCTGGGAGACACAGGCGTCGGCAAACATGTTTCCTG
ATCCAATCAAAGACGGGGCCTTCTGTCCGAACTTCATAGCCACCGTCGGCATAGACTTCAGGAAC
AAGGTGGTGACTGTGGATGGCGTGAGAGTGAAGCTGCAGATCTGGGACACCGCTGGGCAGGAACGGTTC
CGAAGCGTCACCCATGCTTATTACAGAGATGCTCAGGCCCTGCTTCTGCTGTATGACATCACCAACAAA
TCTTCTTTCGACAACATCAGGGCCTGGCTCACTGAGATTCATGAGTATGCCAGAGGGACGTGGTGATC
ATGCTGCTAGGCAACAAGCGGATATGAGCAGCGAAAGAGTGATCCGTTCCGAAGACGGAGAGACCTTG
GCCAGGGAGTACGGTGTCCCTTCTGGAGACCAGCGCCAAGACTGGCATGAATGTGGAGTTAGCCTTT
CTGGCCATCGCCAAGGAAGTAAATACCGGGCCGGGCATCAGGCGGATGAGCCCAGCTTCCAGATCCGA
GACTATGTAGAGTCCCAGAAGAAGCGCTCCAGCTGCTGCTCCTTCATGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

**Restriction Sites:** SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001006638

**Insert Size:** 672 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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:	<a href="#">NM_001006638.2</a>
RefSeq Size:	2698 bp
RefSeq ORF:	672 bp
Locus ID:	326624
UniProt ID:	<a href="#">Q96AX2</a>
Cytogenetics:	17q25.1
Protein Families:	Druggable Genome, Secreted Protein
MW:	24.8 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) represents use of an alternate promoter, 5' UTR, and alternate start codon, and includes an alternate coding exon, compared to variant 3. The resulting isoform (2) has a distinct and longer N-terminus, compared to isoform 3.</p>