

## Product datasheet for **SC307024**

### **RAB37 (NM\_175738) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RAB37 (NM_175738) 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:	>SC307024 representing NM_175738. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGACCTGCAGAGACCCGATTCTACCAGGGAGGAGCTGGCCCTGACTTCAACGACCACGTCCTGCAT
AAGACCATCTGGTGGGTGACAGTGGTGTGGGAAAGACGTCTCTGCTGGTTCAGTTCGATCAGGGCAAG
TTCATCCCCGGCTCCTTCTCGGCCACTGTGGGCATCGGATTCACGAACAAGGTGGTGACTGTGGATGGC
GTGAGAGTGAAGCTGCAGATCTGGGACACCGCTGGGCAGGAACGGTCCGAAGCGTCACCCATGCTTAT
TACAGAGATGCTCAGGCCTTGTCTGCTGTATGACATCACCAACAAATCTTCTTCGACAACATCAGG
GCCTGGCTCACTGAGATTCATGAGTATGCCAGAGGGACGTGGTGATCATGCTGCTAGGCAACAAGGGC
GATATGAGCAGCGAAAGAGTGATCCGTTCCGAAGACGGAGAGACCTTGGCCAGGGAGTACGGTGTCC
TTCTGGAGACCAGCGCAAGACTGGCATGAATGTGGAGTTAGCCTTTCTGGCCATCGCCAAGGAACTG
AAATACCGGGCCGGGCATCAGGCGGATGAGCCAGCTTCCAGATCCGAGACTATGTAGAGTCCAGAAAG
AAGCGCTCCAGCTGCTGCTCCTTCATGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-Mlul
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_175738
Insert Size:	651 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).



<b>OTI Annotation:</b>	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.
<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_175738.4</a>
<b>RefSeq Size:</b>	3091 bp
<b>RefSeq ORF:</b>	651 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>	24.2 kDa
<b>Gene Summary:</b>	<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 (3) represents the longest transcript and encodes isoform 3.</p>