

Product datasheet for **SC326796**

RAB37 (NM_001163989) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB37 (NM_001163989) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAB37
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001163989, the custom clone sequence may differ by one or more nucleotides ATGTGGCTCATGTCCGAAGCGCACGGAGCCGAGCCGGTGTGCTCAGGGAGGCTGCCCGC CCCTTCACGCAGACCCTGCGGCTCTGCGTGCCCTCAGGGAACAGCAAGGTGATGCTTCTG GGAGACACAGGCGTCGGCAAAACATGTTTCCTGATCCAATTCAAAGACGGGGCCTTCCTG TCCGGAACCTTCATAGCCACCGTCGGCATAGACTTCAGGAACAAGGTGGTACTGTGGAT GGCGTGAGAGTGAAGCTGCAGATCTGGGACACCGCTGGGCAGGAACGGTTCGGAAGCGTC ACCCATGCTTATTACAGAGATGCTCAGGCCTTGCTTCTGCTGTATGACATACCAACAAA TCTTCTTCGACAACATCAGGGCCTGGCTCACTGAGATTCATGAGTATGCCAGAGGGAC GTGGTGATCATGCTGCTAGGCAACAAGGCGGATATGAGCAGCGAAAGAGTATCCGTTCC GAAGACGGAGAGACCTTGCCAGGGAGTACGGTGTTCCTTCCTGGAGACCAGCGCCAAG ACTGGCATGAATGTGGAGTTAGCCTTTCTGGCCATCGCCAAGGAACTGAAATACCGGGCC GGGCATCAGGCGGATGAGCCAGCTTCCAGATCCGAGACTATGTAGAGTCCAGAAGAAG CGCTCCAGCTGCTGCTCCTTCATG
Restriction Sites:	Please inquire
ACCN:	NM_001163989



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OTI Disclaimer:	<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 custsupport@origene.com 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. More info</p>
OTI Annotation:	<p>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.</p>
Components:	<p>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).</p>
Reconstitution Method:	<ol style="list-style-type: none"> 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:	<p>NM_001163989.1, NP_001157461.1</p>
RefSeq Size:	<p>2847 bp</p>
RefSeq ORF:	<p>687 bp</p>
Locus ID:	<p>326624</p>
UniProt ID:	<p>Q96AX2</p>
Cytogenetics:	<p>17q25.1</p>
Protein Families:	<p>Druggable Genome, Secreted Protein</p>
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 (4) 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 (4) has a distinct and longer N-terminus, compared to isoform 3.</p>