

Product datasheet for SC322239

RAB10 (NM_016131) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB10 (NM_016131) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAB10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>OriGene sequence for SC322239</p> <pre> GTGAGGAGTTGGCCGTAGTGAGAGGGACCGATCCCTTGGGGCCGCCGGCGGAGAGCCC GAGCCGCTCCTCCAATGGCGAAGAAGACGTACGACCTGCTTTTCAAGCTGCTCCTGATC GGGGATCCGGAGTGGGAAGACCTGCGTCCTTTTTCGTTTTTCGGATGATGCCTTCAAT ACTACCTTTATTTCCACCATAGGAATAGACTTCAAGATCAAAACAGTTGAATTACAAGGA AAGAAGATCAAGCTACAGATATGGGATACAGCAGGCCAGGAGCGATTTACACCATCACA ACCTCCTACTACAGAGCGCAATGGGTATCATGCTAGTATATGACATCACCAATGGTAAA AGTTTTGAAAACATCAGCAAAATGGCTTAGAAAACATAGATGAGCATGCCAATGAAGATGTG GAAAGAATGTTACTAGGAAACAAGTGTGATATGGACGACAAAAGAGTTGTACCTAAAGGA AAAGGAGAACAGATTGCAAGGGAGCATGGTATTAGTTTTTTGAGACTAGTGCAAAGCA AATATAAACATCGAAAAGCGTTTCCTCACGTTAGCTGAAGATATCCTTCGAAAAGACCCCT GTAAAAGAGCCCAACAGTGAAAATGTAGATATCAGCAGTGGAGGAGGCGTGACAGGCTGG AAGAGCAAATGCTGCTGAGCATTCTCCTGTTCCATCAGTTGCCATCCACTACCCGTTTT CTCTTCTTGCTGCAAAATAAACCACTCTGTCCATTTTTAACTCTAAACAGATATTTTTGT TTCTCATCTTAACTATCCAAGCCACCTATTTTATTTGTTCTTTCATCTGTGACTGCTTGC TGACTTTATCATAATTTCTTCAAACAAAAAATGTATAGAAAAATCATGTCTGTGACTT CATTTTTAAATGTAAGTCTGCTCAGCTCAACTGCATTTTCAGTTGATTATAGTCCAGTTCTT ATCAACATTTAAACCTATAGCAATCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAAAAA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_016131



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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_016131.2, NP_057215.2</p>
RefSeq Size:	<p>3521 bp</p>
RefSeq ORF:	<p>603 bp</p>
Locus ID:	<p>10890</p>
UniProt ID:	<p>P61026</p>
Cytogenetics:	<p>2p23.3</p>
Domains:	<p>ras, RAN, RAS, RHO, RAB</p>
Protein Families:	<p>Druggable Genome</p>
Gene Summary:	<p>RAB10 belongs to the RAS (see HRAS; MIM 190020) superfamily of small GTPases. RAB proteins localize to exocytic and endocytic compartments and regulate intracellular vesicle trafficking (Bao et al., 1998 [PubMed 9918381]).[supplied by OMIM, Mar 2009]</p>