

Product datasheet for **SC112514**

RAB17 (NM_022449) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB17 (NM_022449) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAB17
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112514 sequence for NM_022449 edited (data generated by NextGen Sequencing)

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ATGGCACAGGCACACAGGACCCCCAGCCAGGGCTGCCCCAGCCAGCCCCGTGTGTTT  
AAGCTGGTTCTCCTGGGAAGTGGCTCCGTGGGTAAAGTCCAGCTTGCTCTTCGGTACGTG  
AAGAACGACTTCAAGAGTATCCTGCCTACGGTGGGCTGTGCGTTCTTACAAAAGGTGGTG  
GATGTGGGTGCCACCTCTCTGAAGCTTGAGATCTGGGACACAGCTGGCCAGGAGAAGTAC  
CACAGCGTCTGCCACCTCTACTTCAGGGGTGCCAACGCTGCGCTTCTGGTGTACGACATC  
ACCAGGAAGGATTCCTTCTCAAGGCTCAGCAGTGGCTGAAGGACCTGGAGGAGGAGCTG  
CACCCAGGAGAAGTCTGGTGTGCTGGTGGGCAACAAGACGGACCTCAGCCAGGAGCGG  
GAGGTGACCTTCCAGGAAGGAAGGAGTTTGCCGACAGCCAGAAGTTGCTGTTTCATGGAA  
ACTTCGGCCAAACTGAACCACCAGGTGTCGGAGGTGTTCAATACAGTGGCCCAAGAGCTA  
CTGCAGAGAAGCGACGAGGAGGGCCAGGCTCTACGGGGGGATGCAGCTGTGGCTCTGAAC  
AAGGGGCCCGCGAGGCAGGCCAAATGCTGCGCCCACTAG
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Clone variation with respect to NM_022449.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_022449 unedited GTTCAAATTTGTATACGACTCACTATAGGCGGCCGCAATTCGCACGAGGGCTGCTCTTG ACCTCTGCTCTGCGGCTGTTTTCCATTGGAGTAGAGGCTCCTCCTGTCCTGTCCTGCCTG TGGAGGGAAGCAAACCTTCCCCTGGACCAGAGAGAGGAGAAAGCGGAGACAGGTAGCAAC GCTGTGGACTGGTGATGACAGGCTCTTCAGCTCCCTGCAAGTGACCGGGCTGGGAACA GGGCATGGCACAGGCACACAGGACCCCCAGCCCAGGGCTGCCCCAGCCAGCCCCGTGT GTTCAAGCTGGTTCTCCTGGGAAGTGGCTCCGTGGGTAAGTCCAGCTTGGCTCTTCGGTA CGTGAAGAACGACTTCAAGAGTATCCTGCCTACGGTGGGCTGTGCGTTCTTCACAAAGT GGTGGATGTGGGTGCCACCTCTCTGAAGCTTGAGATCTGGGACACAGCTGGCCAGGAGAA GTACCACAGCGTCTGCCACCTCTACTTCAGGGGTGCCAACGCTGCGCTTCTGGTGTACGA CATCACCAGGAAGGATTCTTCTCAAGGCTCAGCAGTGGCTGAAGGACCTGGAGGAGGA GCTGCACCCAGGAGAAGTCTGGTGTGCTGGTGGCAACAAGACGGACCTCAGCCAGGA GCGGGAGGTGACCTTCCAGGAAGGGAAGGAGTTTCCGACAGCCAGAAGTTGCTGTTTAT GAAACTTCGGCCAACTGAACCACCAGGTGTCGNGAGTGTCAATACAGTGGCCCAAGA GCTACTGCAGAGAAGCGACGAGGAGGGCCAGCTCTACGGGGATGCAGCTGTGGCTCTG AACAAAGNGCCCCGAGGCANGCCAAATGCTGCGCCACTAGTGCAGCCACTCTGGGGG TGTGGGAAGAACCCN</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_022449 unedited NGGGGCNACNNNNCNCCTTTTNNNANNNGGTAATTGNACCGCGCCGAATCTANATC GAGNTTGGATGGCAAAGC AATTTAATTTTGGAGGAAAACTGCATACCCAGTACAATTATATTTTCAGGCGAAATGG CTCAAAATCTTCTGCTCATTGGACAAAACTCAACTTCACCACATTGCCAGCCGGGAAA CCATGGAAGGAACTGGGGCCACTGCCCCAAGTCCCTTTCCAGGGGCAACTTACCAA AATGGGGAATCCTGGGCCACCCACAGGCAGGCATCGTCCATTTTTTCTGGCACCA CCACCTCCATTTGGGCTGGTCCCAACCCCAAAAAACAGGGGGGCCAGGCTCCAGGCC AGTCCCCCATCAAGATCAAACGTAAGGCATTTTCCACCGTCTGCTGTGCTGCGGGGACT TTTCCAATCCTTCTCTCTGTCCAAAGGCTGCCAGGCTGAGGGGGCCACCGTCCAC GTGGAACAGGCACAGGCATCGGGGAATCAGATGGTATCAGTGGGATAGGGCACAGCACT TTCTGGGAGCCATGTGACGCCAGATCTTTCTTGGCAGTNCCTACTGGCTGGGGGAGT GGTTTTCATAAAGGGGGCCACTTCCAGAACCTCTAGGGCTCCGGAGCACCCANCTTGG CAGTGGATCAGAATCACCTAAAGCTGGCCTGGCCAAAGCAGGGGTGGCCTTCCCCGCCC CACAGAGTGTGCACTTATGGGCGCACATTTGGCCTGCTCTCGGCCCTTGTAAAAGCC CCAATTGATTTCCCCGTAAGACTGGCCTCCTGGGGTTTTTCTGAAAACCTTTGGCCCC CGTATTTGAAAACCCCCACCTGGGGTTCCAATGGGCCGAAGTTTCTGAAAACAAA CTTTTGGCTTGGTGGGACTTCTTCTCTCTGGAAGGGACCTTCCC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_022449
Insert Size:	1660 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).
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:	<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:	NM_022449.1 , NP_071894.1
RefSeq Size:	1982 bp
RefSeq ORF:	639 bp
Locus ID:	64284
UniProt ID:	Q9H0T7
Cytogenetics:	2q37.3
Domains:	ras, RAN, RAS, RHO, RAB
Protein Families:	Druggable Genome
Gene Summary:	<p>The Rab subfamily of small GTPases plays an important role in the regulation of membrane trafficking. RAB17 is an epithelial cell-specific GTPase (Lutcke et al., 1993 [PubMed 8486736]). [supplied by OMIM, Oct 2009]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the full-length protein.</p>