

Product datasheet for **SC121231**

RAB6A (NM_198896) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB6A (NM_198896) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAB6A
Synonyms:	RAB6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC121231 sequence for NM_198896 edited (data generated by NextGen Sequencing)

```
ATGTCCACGGGCGGAGACTTCGGGAATCCGCTGAGGAAATCAAGCTGGTGTTCCTGGGG
GAGCAAAGCGTTGGAAAGACATCTTTGATCACCAGATTCATGTATGACAGTTTTGACAAC
ACCTATCAGGCAACAATTGGCATTGACTTTTTATCAAAAATATGTAAGTGGAGGATCGA
ACAGTACGATTGCAATTATGGGACACAGCAGGTCAAGAGCGTTTCAGGAGCTTGATTCT
AGCTACATTCGTGACTCCACTGTGGCAGTTGTTGTTTATGATATCAGAAATGTTAACTCA
TTCCAGCAAACTACAAAGTGGATTGATGATGTCAGAACAGAAAGAGGAAGTATGTTATC
ATCATGCTAGTAGGAAATAAAACAGATCTTGCTGACAAGAGGCAAGTGTCAATTGAGGAG
GGAGAGAGGAAAGCCAAAGAGCTGAATGTTATGTTTATTGAAACTAGTGCAAAAGCTGGA
TACAATGTAAGCAGCTCTTCGACGTGTAGCAGCAGCTTTGCCGGGAATGGAAAGCACA
CAGGACAGAAGCAGAGAAGATATGATTGACATAAACTGAAAAAGCCTCAGGAGCAACCA
GTCAGTGAAGGAGGCTGTTCTGCTAA
```

Clone variation with respect to NM_198896.1



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_198896 unedited ACATTTTGTATACGACTCATATAGGCGGCCGNAATTCGCACGAGGCGGCCGCTCCTCT ATTCCCATGTCCACGGGCGGAGACTTCGGGAATCCGCTGAGGAAATCAAGCTGGTGTTC CTGGGGGAGCAAAGCGTTGGAAAGACATCTTTGATCACCAGATTCATGTATGACAGTTTT GACAACACCTATCAGGCAACAATTGGCATTGACTTTTTATCAAAAATGTACTTGGAG GATCGAACAGTACGATTGCAATTATGGGACACAGCAGGTCAAGAGCGGTTCAGGAGCTTG ATTCTAGCTACATTCTGACTCCACTGTGGCAGTTGTTGTTTATGATATCACAAATGTT AACTCATTCCAGCAAACACAAAAGTGGATTGATGATGTCAGAACAGAAAGAGGAAGTGT GTTATCATCATGCTAGTAGGAAATAAAACAGATCTTGCTGACAAGAGGCAAGTGTCAATT GAGGAGGGAGAGAGGAAAGCCAAAGAGCTGAATGTTATGTTTATTGAAACTAGTGCAAAA GCTGGATAACAATGTAAAGCAGCTCTTTGACGTGTAGCAGCAGCTTTGCCGGAAATGGAA AGCACACAGGACAGAAGCAGAGAAGATATGATTGACATAAAAAGGAAAAGCCTCAGGAG CAACCAGTCAGTGAAGGAGGCTGTTCTGCTAATCTCCCATGTCATCTTCAACCTTCTTC AGAAGCTCACTGCTNNTGGCCCTTACTCTNTCATTGACTGCAGTGTGAATATTGGCTTG AACCTTTCCCTTGTGAATAACGTATTGCAATTCATCATTGCTGCCTGTCTCGTGGAGATG ATCTATTAGCTTCACAAGCACACAAAG
Restriction Sites:	NotI-NotI
ACCN:	NM_198896
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:	<u>NM_198896.1</u> , <u>NP_942599.1</u>
RefSeq Size:	3419 bp
RefSeq ORF:	627 bp
Locus ID:	5870
UniProt ID:	<u>P20340</u>
Cytogenetics:	11q13.4
Protein Families:	Druggable Genome

Gene Summary:

This gene encodes a member of the RAB family, which belongs to the small GTPase superfamily. GTPases of the RAB family bind to various effectors to regulate the targeting and fusion of transport carriers to acceptor compartments. This protein is located at the Golgi apparatus, which regulates trafficking in both a retrograde (from early endosomes and Golgi to the endoplasmic reticulum) and an anterograde (from the Golgi to the plasma membrane) directions. Myosin II is an effector of this protein in these processes. This protein is also involved in assembly of human cytomegalovirus (HCMV) by interacting with the cellular protein Bicaudal D1, which interacts with the HCMV virion tegument protein, pp150. Multiple alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Aug 2011]

Transcript Variant: This variant (2) has an alternate exon with the same size in the coding region, compared to variant 1. The resulting isoform (b, also known as RAB6A) is the same size but has three different aa in an internal segment, compared to isoform a.