

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
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>OriGene ORF within SC121231 sequence for NM_198896 edited (data generated by NextGen Sequencing)

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ATGTCCACGGGCGGAGACTTCGGGAATCCGCTGAGGAAATCAAGCTGGTGTTCCTGGGG
GAGCAAAGCGTTGGAAAGACATCTTTGATCACCAGATTCATGTATGACAGTTTTGACAAC
ACCTATCAGGCAACAATTGGCATTGACTTTTTATCAAAAATATGTAAGTGGAGGATCGA
ACAGTACGATTGCAATTATGGGACACAGCAGGTCAAGAGCGTTTCAGGAGCTTGATTCT
AGCTACATTCGTGACTCCACTGTGGCAGTTGTTGTTTATGATATCAGAAATGTTAACTCA
TTCCAGCAAACTACAAAAGTGGATTGATGATGTCAGAACAGAAAGAGGAAGTATGTTATC
ATCATGCTAGTAGGAAATAAAACAGATCTTGTGACAAGAGGCAAGTGTCAATTGAGGAG
GGAGAGAGGAAAGCCAAAGAGCTGAATGTTATGTTTATTGAAACTAGTGCAAAAGCTGGA
TACAATGTAAAGCAGCTCTTTCGACGTGTAGCAGCAGCTTTGCCGGGAATGGAAAGCACA
CAGGACAGAAGCAGAGAAGATATGATTGACATAAAAAGCTGAAAAGCCTCAGGAGCAACCA
GTCAGTGAAGGAGGCTGTTCTGCTAA
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Clone variation with respect to NM_198896.1



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_198896 unedited ACATTTTGTATACGACTCATATAGGCGGCCGCGNAATTCGCACGAGGCGGCCGCTCCTCT ATTCCCATGTCCACGGGCGGAGACTTCGGGAATCCGCTGAGGAAATCAAGCTGGTGTT CTGGGGGAGCAAAGCGTTGGAAAGACATCTTTGATCACCAGATTCATGTATGACAGTTTT GACAACACCTATCAGGCAACAATTGGCATTGACTTTTTATCAAAAATATGACTTGGAG GATCGAACAGTACGATTGCAATTATGGGACACAGCAGGTCAAGAGCGGTTTCAGGAGCTTG ATTCCTAGCTACATTCTGACTCCACTGTGGCAGTTGTTGTTTATGATATCACAAATGTT AACTCATTCCAGCAAACACAAAAGTGGATTGATGATGTCAGAACAGAAAGAGGAAGTGAT GTTATCATCATGCTAGTAGGAAATAAAACAGATCTTGCTGACAAGAGGCAAGTGCAATT GAGGAGGGAGAGAGGAAAGCCAAAGAGCTGAATGTTATGTTTATTGAAACTAGTGCAAAA GCTGGATAACAATGTAAAGCAGCTCTTTTCGACGTGTAGCAGCAGCTTTGCCGGAATGGAA AGCACACAGGACAGAAGCAGAGAAGATATGATTGACATAAAAAGCTGAAAAGCCTCAGGAG CAACCAGTCAGTGAAGGAGGCTGTTCTGCTAATCTCCCATGTCATCTTCAACCTTCTTC AGAAGCTCACTGCTNNTGGCCCTTACTCTNTCATTGACTGCAGTGTGAATATTGGCTTG AACCTTTCCCTTCGTAATAACGTATTGCAATTCATCATTGCTGCCTGTCTCGTGGAGATG 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).
RefSeq:	NM_198896.1 , NP_942599.1
RefSeq Size:	3419 bp
RefSeq ORF:	627 bp
Locus ID:	5870
UniProt ID:	P20340 , A0A024R5J5
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p> <p>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.</p>