

Product datasheet for **SC127144**

RAB11A (NM_004663) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB11A (NM_004663) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAB11A
Synonyms:	YL8
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_004663, the custom clone sequence may differ by one or more nucleotides

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ATGGGCACCCGCGACGACGAGTACGACTACCTCTTTAAAGTTGTCCTTATTGGAGATTCTGGTGTGGAA
AGAGTAATCTCCTGTCTCGATTTACTCGAAATGAGTTTAACTGGAAAGCAAGAGCACCATTGGAGTAGA
GTTTGAACAAGAAGCATCCAGGTTGATGGAAAAACAATAAAGGCACAGATATGGGACACAGCAGGGCAA
GAGCGATATCGAGCTATAACATCAGCATATTATCGTGGAGCTGTAGGTGCCTTATTGGTTTATGACATTG
CTAAACATCTCACATATGAAAAGTAGAGCGATGGCTGAAAGAACTGAGAGATCATGCTGATAGTAACAT
TGTTATCATGCTTGTGGCAATAAGAGTGATCTACGTCATCTCAGGGCAGTTCCTACAGATGAAGCAAGA
GCTTTTGCAGAAAAGAATGGTTTGTCAATCATTGAACTTCGGCCCTAGACTCTACAAATGTAGAAGCTG
CTTTTCAGACAATTTAACAGAGATTTACCGCATTGTTTCTCAGAAGCAAATGTCAGACAGACGCGAAAA
TGACATGTCTCCAAGCAACAATGTGGTTCTATTATCATGTTCCACCAACCCACTGAAAAACAAGCCTAAGGTG
CAGTGCTGTCAGAACATCTAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004663 unedited NCGGTCAAATTTGTATACGACTCCTATAGGCGGCCGCGNAATTCGCACCAGCACAGATA CCACTGCTGCTCCCGCCCTTCGCTCCTCGGCCGCGCAATGGGCACCCGCGACGACNAGT ACGACTACCTCTTTAAAGTTGTCCTTATTGGAGATTCTGGTGTGGAAAGAGTAATCTCC TGTCTCGATTTACTCGAAATGAGTTTAACTGGAAAGCAAGAGCACCATTGGAGTAGAGT TTGCAACAAGAAGCATCCAGGTTGATGGAAAAACAATAAAGGCACAGATATGGGACACAG CANGGCAAGAGCGATATCGAGCTATAACATCAGCATATTATCGTGGAGCTGTAGGTGCCT TATTGGTTTATGACATTGCTAAACATCTCACATATGAAAATGTAGAGCGATGGCTGAAAG AACTGAGAGATCATGCTGATAGTAACATTGTTATCATGCTTGTGGCAATAAGAGTGATC TACGTCATCTCAGGGCAGTTCCTACAGATGAAGCAAGAGCTTTTGCAGAAAAGAATGGTT TGTCAATCATTGAAACTTCGGCCCTAGACTCTACAAATGTAGAAGCTGCTTTTCAGACAA TTTTAACAGAGATTTACCGCATTGTTTCTCAGAAGCAAATGTCAGACAGACGCGAAAATG ACATGTCTCCAAGCAACAATGTGGTTCCTATTCATGTTCCACCAACCACTGAAAACAGCC AAAGTGCAGTGTGTCAGACATCTAAGCATTCTCTTCTCCCTAGAGGCTGTGTATAGT CCATTTCCAGGCTGAGATTTAATATATTTGTAATTCTGGGCACTTTTGTGTTTATTAC TTCTACTTATGATTNTTNCCTGTCTAGTCTTTGATTTAGCNTTATAATCATNCACTGTC CGATGACTGCAGCTTTTTTTATGCTTGG
Restriction Sites:	NotI-NotI
ACCN:	NM_004663
OTI Disclaimer:	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. 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
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_004663.3 , NP_004654.1
RefSeq Size:	2393 bp
RefSeq ORF:	651 bp

Locus ID:	8766
UniProt ID:	P62491
Cytogenetics:	15q22.31
Domains:	ras, RAN, RAS, RHO, RAB
Protein Families:	Druggable Genome
Protein Pathways:	Endocytosis
Gene Summary:	<p>The protein encoded by this gene belongs to the Rab family of the small GTPase superfamily. It is associated with both constitutive and regulated secretory pathways, and may be involved in protein transport. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2011]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>