

Product datasheet for **SC120463**

RAB3C (NM_138453) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB3C (NM_138453) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAB3C
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_138453, the custom clone sequence may differ by one or more nucleotides

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ATGAGACACGAAGCGCCCATGCAGATGGCCTCTGCCCAAGATGCCAGGTACGGCCAGAAAGACTCCTCTG
ATCAGAACTTTGACTACATGTTCAAATTACTCATCATCGGCAATAGCAGTGTGGGAAAACATCTTTTCT
ATTCCGTTATGCAGATGACTCCTTTACATCTGCATTCGTCAGCACAGTTGGGATCGATTTCAAAGTAAAA
ACTGTATTCAAAAATGAAAAGAGAATCAAGCTTCAGATTTGGGACACAGCAGGCCAGGAAAGATACAGGA
CTATCACCACAGCCTATTATCGTGGAGCCATGGGCTTTATTTAATGTATGACATTACAAATGAAGAATC
TTCAATGCAGTACAAGATTGGTCAACTCAAATCAAACATACTCTTGGGACAATGCCCAAGTTATTCTG
GTTGGGAACAAGTGTGACATGGAAGACGAGCGGGTCATCTCAACTGAGCGAGGTCAACATTTAGGAGAAC
AGCTTGGGTTTGAGTTTTTTGAAACAAGTGCCAAGGACAACATTAATGTCAAGCAGACATTTGAGCGCCT
TGTGGATATCATCTGCGACAAAATGTCAGAGAGTTTGGAGACTGATCCTGCCATCACTGCTGCAAAGCAG
AACACGAGACTCAAGGAAACTCCTCCTCCACCGCAGCCCAACTGTGCCTGCTAG
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_138453 unedited GCGTATTTTGTAAATACGATTCACTATAGGGCGGCCGCGAAATTCGCACGAGGGAGCCGGT TAGCGAACCCCAAAGTGCAGAGTGTGGAGCGTGGAGCGCCGGGACTGTGCACGCTTGAC CGGAAGCCAGACCAGTGCAGTCTAGCCAGAGAGAAAGGACATTTGCCAACAATGAGAC ACGAAGCGCCCATGCAGATGGCCTCTGCCATTTGCCAGGTACGGCCAGAAAGACTCCTC TGATCAGAACTTTGACTACATGTTCAAATTACTCATCATCGGCAATAGCAGTGTGGGGAA AACATCTTTTCTATTCCGTTATGCAGATGACTCCTTTACATCTGCATTTCGCAGCACAGT TGGGATCGATTTCAAAGTAAAACTGTATTCAAAAATGAAAAGAGAATCAAGCTTCAGAT TTGGGACACAGCAGGCCAGGAAAAGATACAGGACTATCACACAGCCTATTATCGTGGAGC CATGGGCTTTATTTAATGTATGACATTACAAATGAAGAATCCTTCAATGCAGTACAAGA TTGGTCAACTCAAATCAAACATACTCTTGGGACAATGCCCAAGTTATTCTGGTTGGGAA CAAGTGTGACATGGAAGACGAGCGGGTCATCTCAACTGAGCGAGGTCAACATTTANGAGA ACAGCTTGGGTTTGAGTTTTTTGAACCAGTGCCAAATGGACACCATTATGTTTCAGCAGACA TTTGAGCGGCTTGGTGGATATCATCTGCGACANAATGTTATAAGAGTTTGGAGACTGATC CTGCCATTACTGTGCCAAAGCAGACACGAGACTCAAGGGAACCTCTTCTCCACGCAGC CCACTGTGCCTGTATTGTTCCCGTGCCACAAGCAGGTTTCAGGGGGCTCTTGTGGCCA CAAAACACATTTGTAATGGGCTATTAACCTTCATTTAACCCGCTAACCATTTGGAGGAA TAATTGTGTCATGGCTCGACCCCTT
Restriction Sites:	NotI-NotI
ACCN:	NM_138453
Insert Size:	4300 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:	<u>NM_138453.2, NP_612462.1</u>
RefSeq Size:	1030 bp
RefSeq ORF:	684 bp
Locus ID:	115827
UniProt ID:	<u>Q96E17</u>
Cytogenetics:	5q11.2
Domains:	ras, RAN, RAS, RHO, RAB

Protein Families: Druggable Genome

Gene Summary: This gene is a member of the RAS oncogene family and encodes a small GTPase. Other similar small GTPases are known to be involved in vesicle trafficking, and the encoded protein was shown to play a role in recycling phagocytosed MHC class 1 complexes to the cell surface. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2015]

Transcript Variant: This variant (1) 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.