

Product datasheet for **SC106195**

RABL3 (BC020832) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RABL3 (BC020832) Human Untagged Clone
Tag:	Tag Free
Symbol:	RABL3
Synonyms:	4930553C05Rik; AA958834; MGC23920; OTTMUSP00000030968; RAB, member of RAS oncogene family-like 3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for BC020832, the custom clone sequence may differ by one or more nucleotides

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ATGGCGTCCCTGGATCGGGTGAAGTACTGGTGTGGGAGACTCAGGTGTTGGGAAATCTTCGTTAGTCC
ATCTCCTATGCCAAATCAAGTGTGGGAAATCCATCATGGACTGTGGGCTGCTCAGTGGATGTCAGAGT
TCATGATTACAAAGAAGGAACCCAGAAGAGAAGACCTGCTACATAGAATTATGGGATGTTGGAGGCTCT
GTGGGCAGTGCCAGCAGCGTGAAAAGCACAAGAGCAGTATTCTACAACCCGTAATGGTATTATTTTCG
TACACGACTTAACAAATAAGAAGTCTCCCAAACTTGCCTCGTTGGTCATTGGAAGCTCTCAACAGGGA
TTTGGTGCCAACTGGAGTCTTGGTGACAAATGGGATTATGATCAAGAACAGTTTGTGATAACCAATA
CCACTGTTGGTAATAGGGACTAACTGGACCAGATTTCATGAAACAAAGCGCCATGAAGTTTTAACTACGA
CTGCTTTCCTGGCTGAGGATTTCAATCCAGAAGAAATTAATTTGGACTGCACAAATCCACGGTACTTAGC
TGCAGGTTCTTCCAATGCTGTCAAGCTCAGTAGTTTTTTGATAAGGTCATAGAGAAGAGATACTTTTTA
AGAGAAGGTAATCAGATTCCAGGCTTTCCTGATCGGAAAAGATTTGGGGCAGGAACATTAAGAGCCTTC
ATTATGACTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC020832 unedited NTTCCCCCGCCGATGCCGCTTTGGCGGTAGGCGTGTACGGTGGNGAGTCTATATAAGC AGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGCG AATTCGGCAGCAGGAGATGGCGTCCCTGGATCGGGTGAAGGTACTGGTGTGGGAGACTC AGGTGTTGGGAAATCTTCGTTAGTCCATCTCCTATGCCAAAATCAAGTCTGGGAAATCC ATCATGGACTGTGGGCTGCTCAGTGGATGTCAGAGTTCATGATTACAAAAGAAGGAACCCC AGAAGAGAAGACCTACTACATAGAATTATGGGATGTTGGAGGCTCTGTGGGCAGTGCCAG CAGCGTGAAAAGCACAAGAGCAGTATTCTACAACCTCCGTAATGGTATTATTTTCGTACA CGACTTAACAAATAAGAAGTCTCCCAAACCTGCGTCGTTGGTCATTGGAAGCTCTCAA CAGGGATTTGGTCCAACTGGAGTCTTGGTGACAAATGGGGATTATGATCAAGAACAGTT TGCTGATAACCAAATACCACTGTTGTTAATAGGGACTAACTGGACCAGATTCATGAAAC AAAGCGCCATGAAGTTTTAACTTAGGACTGCTTTCCTGGCTGANGATTTCAATCCAGAAG AAATTAATTTGGACTGCACAAACCCACGGTACTTAGCTTGAGGTTCTTCCAATGCTGTC AGCTCAGTANGTTTTTTGATAAAGTCATAGAGAAGAGATACTTTTTAAGAGAAGGTATCA GATTCCAGGCTTTCCTGATCGGAAAGGATTTGGGGCAGGAACCTTTAAGAGCCTTCTTA TGAAGTAACTACTCATCTTTGGAAAGATGAGCAGCACGGGCCATTTTCCAGCTCTCT TGCTGGGGTCATTATACCCCCACGCCCTTTAAACAAACT
Restriction Sites:	NotI-NotI
ACCN:	BC020832
Insert Size:	3500 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>BC020832.1</u> , <u>AAH20832.1</u>
RefSeq Size:	1999 bp
RefSeq ORF:	711 bp
Locus ID:	285282
Cytogenetics:	3q13.33
Domains:	RAB
Protein Families:	Druggable Genome, Transcription Factors

Gene Summary:

Required for KRAS signaling regulation and modulation of cell proliferation (PubMed:31406347). Regulator of KRAS prenylation, and probably prenylation of other small GTPases (PubMed:31406347). Required for lymphocyte development and function (By similarity). Not required for myeloid cell development (By similarity).[UniProtKB/Swiss-Prot Function]