

Product datasheet for **SC103694**

RABL4 (IFT27) (AK090708) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RABL4 (IFT27) (AK090708) Human Untagged Clone
Tag:	Tag Free
Symbol:	RABL4
Synonyms:	BBS19; RABL4; RAYL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AK090708, the custom clone sequence may differ by one or more nucleotides

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AACACTCAGTAGATGTTAGCTTTCTTAAAGTATAAATATTGCCCTAGAATCTTGTTTATACTGTTATTA  
CTTACTAAATCCTTGATTTCATGGCTTGTGCAGAGATAAATATCACCTTGCCTCTGGTCCAATTATCAC  
AAATGCTAAATTAATGAAGCCAAATCAGCTTTTCTGTATAGAGGGTTTGCCATCTTTTCTGCAGCACA  
CCTTTGTGCAAAGCAGTAGGCGGTAGTGCCTAGCAAACAGGATTTTCAGTATTCTCCCTCCTCCATTCA  
TTTGTGAAATTGCCCTGCACCCCAATATTCCATATTCCCTAGAACGCTTGATAGAAGTCAAGAAATTA  
ACCCACCCCAACCTCCAAAACATGAGTCACCAAAGGCCAGTGGGCTACGGTTAAACTCTGTTGAGGTGT  
TGAAGTGGTGGTGGTGGTGAAGTACGCTTGAAGAGGCTGCAGTAAGCACTTGCTATTATCTGTGCAAG  
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GTGCTCTGCACAAGTACAGGGCCCGCAGGATGACTGAATTCCTGCTCTCGTCCAGCTGGACGGT  
ATGGCTTCAAGTCTTGGCTGTTGGGAGCTTACTATAAATGTTGCTCTGGCTACAACACTCCTCACTCT  
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TTCCCTTGCTAGAAAGTCCAGGTAACCTTCTCCACGGGACCTGGTTTCCTTCGCACATCCCAGCTGGCCT
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 CGTTCTCAGTTTGAAATCCTTCTGTTTCTGGGGATATTTACGGCCTCTTCTCAAGTTGCACTTT
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 GAAGACAGAATTACCTCTGCTCTTTAATATATAATGATGGCTTTAAATAAAATTAGGAGAAAATGTC

5' Read Nucleotide Sequence:

>OriGene 5' read for AK090708 unedited
 CACATTGTATACACTATTAGCGGCCGATTCCCGAGCTCCCTTCTCCTTCTTTGTGA
 AATGTCCCTGCACCCCAATATTCATATTCCTAGAACGCTTGATAGAACTCAGAAATTA
 AAACCCACCCCAACCTCCAAAACAGGAGTCACCAAAAGGCCAGTGGGCTACGGGTTAAACT
 CTGTTGAGGTGTTGAAGTGGGTGGGTGTGAACTACTCTTGAAGAGGCTGCAGTAAG
 CACTTGCTATTATCTGTGCAAGTAACTAGTCCCCCTGAGTTGAGGCTCACAGAAGCAC
 CGCTGGCAGCTCGGTTAAGAAAGCTGTAATTAAGAAAGGAAATATAAGCAAACGCAGCTTG
 AGACGCAGCCAAGGGCTGGCGCCAAGCTCATCTCCTCTCTTCTGCCTAAACACCGCA
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 GATCACTGCCCTCCAGGCAAGCGAGGAGTGGGGAAGTAAAGTTGATGAGGGCCTACTG
 TGTGCTAGGTGTTTTGCACACATTATTTGTTTAGGCTTACATAACAGCCCTACAAGGTAAC
 ACTCCTGTGTGTATAGATGACAGACTCAGAAAGTTGTGTAGCTTGCCCTGGTTGCATA
 GTTAAACGAGGGCTAGAAACAGGACTAGGAGTCAAGGCCTGTTACAGCTGGAAAACCTGGGT
 TTTCTAGAAAGGGTACCCTGGCCTTCTGCCGAGCCTGCTGTGGGACTCTGCAGAACACAA
 TTCAAGGCAGACTGNACACTATCCTGAACCTGCCCTGAAAATNCTTTAGCCGACCTACT
 TCACAGCTGTTCTGACTGTGTTAGCGAGATGATGATTAGTGATCAGACGAAAGGATTCTG
 TCATTGTTACCCTTTCAAATTTGGAAAACAGTCATNTTATCTTTCAAACCCCGCTG
 TGCTATTGAGCTACCGC

3' Read Nucleotide Sequence:	>OriGene 3' read for AK090708 unedited NGGGAATTACTATGNACCGCGCCGATTCTANGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTGACATTTTTCTCCTAATTTTATTTAAAGCCATCATTATATATTTAAAAGAGCAGAGGTAA TTCTGTCTTCTCCGGTTGTGACGACGATCTGCTCCAGCTCGTCATGCCAGGGCCCGGAA AACCTCCACCTTCTCCCGGTACAGCTGGTGGAACTGCTTGGCAAGGCAGTGAAAAGGGGC TTCGAAGTTTTCCATCTCTTTCTGAAAAGACAGTTTAAAAAGTTGGCTGTGTTCTTTTAG AAGGGTCAGAGGGCCAGCTCTCACTCAATGCTTCCCTCATTCGGGGGCTACCTACTTTCC ACCTCATTTTCATCTTACGCCCTTCGAGGTAGCCACTTTTCATGGATGCCAGTTTTACAAG AAGGAACTCAGATGGAGTCAGGTAAGTCAAGATGAAGGTACCTTGCAGGAAGCCACAC ACCTTGTGAATGGTGGAGCTGGGGCCTGAACCCATGTCTGTTTCTACAAAGCCTGTGCTT TTAGTTGCAGTCACTGTACGTGTGACGAGATGTGAAAATGACACCTTTCCTCAGTTTTGA CTGAGGCTCCAAAGGCCAAAGCAAATACCAAGGAACCTGGAGCCCCCATCCCGAAGAA GAGCTAGACAGCATGGGGCACCTCTTCTAGGCTGGTGTGGACCCAGGCCTGGGAGGA ATCCAGGTGAGGTGGTGGCTGGGCAAGCCAGGAGAGGGCTACCAATGAGACGGCCTCGCT GCCTCCTTTGTCAAATAACCGGCTGCAGCAGCACTTCCCTGAACCAGCGGGGGCCAAGT GGAGCCAGCCTGGTGTCTTAAGGGGGCTCGGCTGGGACCGNCTCCAGNAGGGTGACG GTCCC
Restriction Sites:	NotI-NotI
ACCN:	AK090708
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:	AK090708.1
RefSeq Size:	3358 bp
RefSeq ORF:	3358 bp
Locus ID:	11020
Cytogenetics:	22q12.3
Protein Families:	Druggable Genome

Gene Summary:

This gene encodes a GTP-binding protein that is a core component of the intraflagellar transport complex B. Characterization of the similar Chlamydomonas protein indicates a function in cell cycle control. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jan 2012]