

Product datasheet for **SC114196**

RAB8B (NM_016530) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB8B (NM_016530) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAB8B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_016530, the custom clone sequence may differ by one or more nucleotides

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ATGGCGAAGACGTACGATTATCTCTTCAAGCTCCTGCTGATCGGCGACTCGGGGGTAGGCAAGACCTGCC
TCCTGTTCCGCTTCTCAGAGGACGCCTTCAACACCACCTTCATCTCCACCATCGGAATTGATTTTAAAAAT
TAGAACGATAGAACTAGATGAAAGAAAATTAAGCTTCAGATATGGGACACAGCGGGTCAGGAAAGATTC
CGAACAAATCACGACAGCGTACTACAGAGGAGCCATGGGCATTATGCTGGTCTATGACATCACAAATGAAA
AATCCTTTGACAATATTAATAATTTGGATCAGAAACATTGAAGAGCATGCCTCTTCCGATGTCGAAAGAAT
GATCCTGGGTAAACAAATGTGATATGAATGACAAAAGACAAGTGCAAAAAGAAAGAGGGGAGAAGCTAGCA
ATTGACTATGGGATTAATTCTTGGAGACAAGCGCAAAATCCAGTGCAAATGTAGAAGAGGCATTTTTTA
CACTTGCACGAGATATAATGACAAAACCAACAGAAAAATGAATGACAGCAATTCAGCAGGAGCAGGTGG
ACCAGTGAAAATAACAGAAAACCGATCAAAGAAGACCAGTTTCTTTCGTTGCTCGCTACTTTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016530 unedited
 GTTCACTAATTTGTAATACGACTTACTATAGGGCGGCCGGAATTCGCACGAGAAGAGGC
 GAAGACGTACGATTATCTCTTCAAGCTCCTGCTGATCGGGCGACTCGGGGTAGGCAAGAC
 CTGCCTCCTGTTCCGCTTCTCAGAGGACGCCTTCAACACCACCTTCATCTCCACCATCGG
 AATTGATTTTAAAATTAGAACGATAGAAGTGGAAAGAAAATTAAGCTTCAGATATG
 GGACACAGCGGGTCAGGAAAGATTCCGAACAATCAGCAGCGTACTACAGAGGAGCCAT
 GGGCATTATGCTGGTCTATGACATCACAATGAAAAATCCTTTGACAATATTAATAATG
 GATCAGAAAACATTGAAGAGCATGCCTCTCCGATGTCGAAAAGAATGATCCTGGGTAACAA
 ATGTGATATGAATGACAAAAGACAAGTGTCAAAAAGAAAGAGGGGAGAAGCTAGCAATTGA
 CTATGGGATTAATTTCTGGAGACAAGCGCAAAAATCCAGTGCAAAATGTAGAAGAGGCATT
 TTTTACACTTGCACGAGATATAATGACCAAACTCAACAGAAAAATGAATGACAGCACTTC
 AGCATGAGCAGTGGACCAGTGAATAAACAGAAAACCGATCAAAGAAGACCAGGTTCT
 TTCGTTGCTCGTACTTTGATGAACTCTCTGAGAGACTGCAGCACACCTAGAGGGCCC
 TTTTCCTGCTTCCCTGAAGCCAGCTCACCCACCCTCAAATCACACCTCCCCGCTGCT
 GCTGGGAGCCCCACTGAACCTTAGACCTCTCCACCAGTATGCCAGGGGGATTCAATCTTC
 TGGGCTACACAAGAACACTCCTTTTTCAAACATGGAACCAAGAAAGTGGAGACCCATG
 CCGGACCTACCTCGTTTTTTCCTTTN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_016530 unedited
 CGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTAAATTTTCATTATGTAGTTTTTATTT
 TAGACGAACATTATTATAAAAAAAGTTACCTGGAATAAAATCCATTTAAAAAACA
 TAGCATCAGTATCAGTACACAGTTAATGAATTGGCTTAAACAAGATTAACCACATGACAG
 GTCCACTTATCTGCAGGAGCTTTTACATTAAGCCATTGGAGCAAAAATAAATATGTTT
 AAACATGTACAGTAGGATAGTTATATGGAAAACTAGAGAGTTTCCATTAGGGGCATGAT
 TTTCATCAAACAGTTTATGGTATTTTGCATGAAAGGAACTGCAGTGTGAGCTGCAAAACA
 AATAAAAGCCATCTGTAAGGCCATAAAATGAACTATAATAACTAAATTCACATTTTAAA
 AAAAGGTAAAGTGAATAAGTTCTATTAGTTTCTTGGCACAAGAAATGCAATTGCATATG
 GCACACGCATTTCAAGAAATGAAGTAAATCTGAAATATCCCTAGAATAATTGTTTGT
 AATTTTTATTCTGTACATTTTCAAGTATTTAGATTTTTTTCAGAGTGAACATGACAGCCA
 TTAATTTTATTAGTCTAAAAAATGACTTATTCTACTCTAAAATCGCGCTAGAATTTGAA
 ATTATTTTAGCATATCCTGTCCGTCTAGGTCCTCTATATCAAGGGATTTTATTNTTGA
 CATTCTTTCCACCCACCCNTGTGCCCCCTTGATGTAAACANGAAAAAGGATGTCT
 CTCTGTTTTAAAAAATAAATCTGAGAAACCCTGATGCAGAATGAGTGTAAATTA
 TAATATTAACCAACTATTGAAATGCGTTTTTAAAGATGGAGACTTACTTGTAAGGATC
 TAGCCATGAACTGAAAGATGTCTGCTTATGGGTCACTACGACACAGAAACTTATAGCCT
 ATTAGACTCTGACTCAGAACTGAATGAGTATATCTACTG

Restriction Sites:

NotI-NotI

ACCN:

NM_016530

Insert Size:

4860 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:	NM_016530.2 , NP_057614.1
RefSeq Size:	4877 bp
RefSeq ORF:	624 bp
Locus ID:	51762
UniProt ID:	Q92930
Cytogenetics:	15q22.2
Domains:	ras, RAN, RAS, RHO, RAB, ARF
Protein Families:	Druggable Genome
Gene Summary:	RAB proteins, like RAB8B, are low molecular mass monomeric GTPases that localize on the cytoplasmic surfaces of distinct membrane-bound organelles. RAB proteins function in intracellular vesicle transport by aiding in the docking and/or fusion of vesicles with their target membranes (summary by Chen et al., 1997 [PubMed 9030196]).[supplied by OMIM, Nov 2010]