

## Product datasheet for **SC122861**

### **RAB39 (RAB39A) (NM\_017516) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RAB39 (RAB39A) (NM_017516) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAB39A
Synonyms:	RAB39
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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**Fully Sequenced ORF:** >OriGene sequence for NM\_017516 edited  
 CAGCGGGGCACGTGAGCGATGGAGACCATCTGGATCTACCAGTTCGCGCTCATCGTGATC  
 GGGGACTCCACCGTGGGCAAGTCTGCCTCCTGCACCGCTTACCAGGGCCGCTTCCCC  
 GGGCTGCGCTCCCCGCCTGCGACCCACCGTCGGCGTGGACTTCTTCTCCCGCTGCTG  
 GAGATCGAGCCGGCAAGAGGATCAAGCTACAGCTCTGGGACACGGCGGGACAGGAGCGG  
 TTCAGATCAATAACCCGATCTTATTACCGCAACTCAGTTGGTGGATTTTTAGTATTTGAC  
 ATTACTAACCCGACGATCTTTGAACATGTGAAAGATTGGCTAGAAGAAGCAAAAAATGTAT  
 GTACAGCCATTTTCGGATTGTATTTCTGCTAGTGGGACATAAATGTGATTTAGCTTCACAA  
 CGTCAAGTTACAAGGAAGAAGCTGAAAACTGTGAGCAGACTGTGGAATGAAGTATATA  
 GAAACCTCAGCAAAGGATGCTACAAATGTTGAAGAATCCTTCACAATCTTGACGAGAGAC  
 ATATATGAACTTATTAAGAGGGAGAAATTTGTATTGAGGATGGCTGGGAAGGGTTAAA  
 AGTGGTTTTGTTCCAAATACTGTGCATTCTTCTGAGGAAGCAGTAAAGCCAGGAAAGAA  
 TGCTTCTGCTGACTTCAAACATGCTGAAGAACTAACAGGAACAGATTGGGTGTCAGTTCA  
 GGATAAATACCAACATTAACAGCAGAATGATGCAATGAAAGAATTTAAAAAGTTACAAA  
 CCCACACCAATACTATTTTATAAGGTATTTGATTGAGAGCATGATGCTTACTTGTACAC  
 TACTAGATTGGGTATTTTGTAAATTACCAAGCAAAGCAGACAATCTTTTTCTTGAAATT  
 ACCTCCATTCTTACTTTGTAGCATACGCTGACCTTAGTGTCCAGATATGCACTATTAC  
 TCATTTTTCTTGACAGTTCAAATGGATTTTTGTGCATATATAGTCAATTGAAAAGATTTT  
 ATCAGGAATTACATCTCTTGTAGTTAATTAATATTGAATAGCAAAATGCATTTAAATATG  
 CACTGTTACCTGCAGAGTAAACAATCTCAGAAGTATCAACTAGGACGTAATAGCAGTT  
 CCTTATAAAAGTACCAGGTTTTTCCCATTCTCTGGAATGTTGTCTCCCTAATT  
 TTGCCTCAACACAAGAAAAAAGTTTTATGTCCATTTTTGTTCCCTAATTTATTGCTTCT  
 AAAAAATGCATTAATTTTTACAAAGATATCTAAGGATCCAAGCAAACACTTTTAAGCAAAT  
 ATTTGTAAAATTAACCGGAGGACCGCTCACCAATGTTTGAATGTTGCTTTTTTTTTT  
 TTGAGACAGGCTTGTGTTTGTACCCAGGCTGGAGTGCAGTGGGCAATCTTGGCTCCC  
 TGCAACCTCTGCTTCTGGGTTGAGGATTTGTCAGTACCTTACCTCAGCCTCCTGAGTA  
 GCTGGAAGTGCAGATGTGCGCCACCATGCCCGGCTAATTTTTGTATTATAAGTAGACACA  
 GGGTTTTATAATGTTCCCAGGCTGGTCTCAACTCCTGGCTCAAGCAATTCGCCCCC  
 TCGGCCTCAAAGTGTGGAATATAGGCATGAGCTGCCGTGCCTGGACTATCAGCAGCA  
 AATGTTTTGCTGTACGGTGTACTGTTGATTTAGACAAGAAGAACAAAATTTATTTAT  
 GTATTGACATTTCAAAGAAAGTAAATGCAATTTACTTTGAAAAAAAAAAAAAAAAAAAA  
 AA

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_017516 unedited  
 NCGTTCGGGATTTGTAATACGACTCACTATAGGGCGGCCGCAATTCCTGGGCTCAGCG  
 GGGCAGGTGAGCGATGGAGACCATCTGGATCTACCAGTTCGCGCTCATCGTGATCGGGGA  
 CTCCACCGTGGGCAAGTCTGCCTCCTGCACCGCTTACCAGGGCCGCTTCCCCGGCT  
 GCGCTCCCCGCCTGCGACCCACCGTCGGCGTGGACTTCTTCTCCCGCTGCTGGAGAT  
 CGAGCCGGGCAAGAGGATCAAGCTACAGCTCTGGGACACGGCGGGACAGGAGCGGTTTCA  
 ATCAATAACCCGATCTTATTACCGCAACTCAGTTGGTGGATTTTTAGTATTTGACATTAC  
 TAACCGACGATCTTTGAACATGTGAAAGATTGGCTAGAAGAAGCAAAAAATGTATGTACA  
 GCCATTTTCGGATTGTATTTCTGCTAGTGGGACATAAATGTGATTTAGCTTCACAACGTCA  
 AGTTACAAGGAAGAAGCTGAAAACTGTGAGCAGACTGTGGAATGAAGTATATAGAAAC  
 CTCAGCAAAGGATGCTACAAATGTTGAAGAATCCTTCACAATCTTGACGAGAGACATATA  
 TGAAGTTATTAAGAGGGAGAATTTGTATTGAGGATGGCTGGGAAGGGTTAAAAGTGG  
 GTTTTGTCCANATACTGTGCATTCTTCTGAGGAAGCAGTAAACCCCATGGAAAGATGCT  
 TCTGCTGACCTCAACATGCTGAAGAACTACAAGAACAGATTGGTTGCAGTTCCAGAAAA  
 ATACCCACTTTACCACCGATGGATCCATTGGAAGATTTAAAAGGTTCCAACCCCCC  
 CAATCTATTTTTAAAGGATTTGATTCCAAGCATGAGGCTTACTTGTAAACCCACCAATG  
 GGGATTTTGCCAATAAC

**Restriction Sites:** Please inquire

<b>ACCN:</b>	NM_017516
<b>Insert Size:</b>	1845 bp
<b>OTI Disclaimer:</b>	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).
<b>RefSeq:</b>	<a href="#">NM_017516.1</a> , <a href="#">NP_059986.1</a>
<b>RefSeq Size:</b>	1845 bp
<b>RefSeq ORF:</b>	654 bp
<b>Locus ID:</b>	54734
<b>UniProt ID:</b>	<a href="#">Q14964</a>
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	Plays a role in the maturation and acidification of phagosomes that engulf pathogens, such as S.aureus and M.tuberculosis. Plays a role in vesicular trafficking. Plays a role in the fusion of phagosomes with lysosomes. Negatively regulates LPS-induced autophagosome formation in macrophages possibly by implicating PI3K (PubMed:24349490). May be involved in multiple neurite formation (By similarity).[UniProtKB/Swiss-Prot Function]