

## Product datasheet for **SC117527**

### Rab11 (RAB11B) (NM\_004218) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rab11 (RAB11B) (NM_004218) Human Untagged Clone
Tag:	Tag Free
Symbol:	Rab11
Synonyms:	H-YPT3; NDAGSCW
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM\_004218 edited  
ATGGGGACCCGGGACGACGAGTACGACTACCTATTCAAAGTGGTGCTCATCGGGGACTCA  
GGCGTGGGCAAGAGCAACCTGCTGTCGCGCTTCACCCGCAACGAGTTCAACCTGGAGAGC  
AAGAGCACCATCGGCGTGGAGTTCCGCCACCCGACGATCCAGGTGGACGGCAAGACCATC  
AAGGCGCAGATCTGGGACACCGCTGGCCAGGAGCGCTACCGCGCCATCACCTCCGCGTAC  
TACCGTGGTGCAGTGGGCGCCCTGCTGGTGTACGACATCGCCAAGCACCTGACCTATGAG  
AACGTGGAGCGCTGGCTGAAGGAGCTGCGGGACCACGCAGACAGCAACATCGTCATCATG  
CTGGTGGGCAACAAGAGTGACCTGCGCCACCTGCGGGCTGTGCCCACTGACGAGGCCCGC  
GCCTTCGAGAAAAGAACAACCTGTCCTTCATCGAGACCTCAGCCTTGGATTCCACTAAC  
GTAGAGGAAGCATTCAAGAACATCCTCACAGAGATCTACCGCATCGTGTACAGAAACAG  
ATCGCAGACCGCGCTGCCACGACGAGTCCCCGGGAACAACGTGGTGGACATCAGCGTG  
CCGCCACCACGGACGGACAGAAGCCCAACAAGCTGCAGTGTGCCAGAACCTGTGA



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_004218 unedited            TTGTGCAATTTGTATACGACTCCTATAGGGCGGCCGGAATTCGCACGAGGGGAGTCGCC            GATCCCGCCGGAAGCGCCAGGACAATGGGGACCCGGGACGACGAGTACGACTACCTATTC            AAAGTGGTGCTCATCGGGGACTCAGGCGTGGGCAAGAGCAACCTGCTGTCGCGCTTCACC            CGCAACGAGTTCAACCTGGAGAGCAAGAGCACCATCGGCGTGGAGTTCGCCACCCGACG            ATCCAGGTGGACGGCAAGACCATCAAGGCGCAGATCTGGGACCCGCTGGCCAGGAGCGC            TACCGCGCCATCACCTCCGCGTACTACCGTGGTGCAGTGGGCGCCCTGCTGGTGTACGAC            ATCGCCAAGCACCTGACCTATGAGAACGTGGAGCGTGGCTGAAGGAGCTGCGGGACCAC            GCAGACAGCAACATCGTCATCATGCTGGTGGGCAACAAGAGTGACCTGCGCCACCTGCGG            GCTGTGCCCACTGACGAGGCCCGCGCCTTCGCAGAAAAGAACAACCTTGTCTTCATCGAG            ACCTCAGCCTTGGATTCCACTAACGTAGAGGAAGCATTCAAGAACATCCTCACAGAGATC            TACCGCATCGTGTACAGAAACAGATCGCAGACCGCGCTGCCACGACGAGTCCCGGNG            AACACGTGGTGGACATCAGCGTGCCGNCACCACGGACGACAGAAGCCCAACAAGCTG            CAGTGCTGCCAGACCTGTGACCCCTGCGCCTCCACCCAGCGTGCCTGTGTCGCTGTCG            CCGCCCCGCCACGGTATCTCTGGCCCTCCCTGCTGTCCCTCTGTGGNCGGCTCGTTCCA            GCCTCCAGTGAGCTCTGCACGGCCGGGCCCGGCCAGAAAGGACAGNACCAGTGCTACC            CGTCTGCCCGNGAAAGCTAC</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_004218
<b>Insert Size:</b>	1500 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a></p>
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_004218.1</a> , <a href="#">NP_004209.1</a>
<b>RefSeq Size:</b>	701 bp

RefSeq ORF:	657 bp
Locus ID:	9230
UniProt ID:	<u>Q15907</u>
Cytogenetics:	19p13.2
Domains:	ras, RAN, RAS, RHO, RAB
Protein Families:	Druggable Genome
Protein Pathways:	Endocytosis
Gene Summary:	The Ras superfamily of small GTP-binding proteins, which includes the Ras (see MIM 190020), Ral (see MIM 179550), Rho (see MIM 165390), Rap (see MIM 179520), and Rab (see MIM 179508) families, is involved in controlling a diverse set of essential cellular functions. The Rab family, including RAB11B, appears to play a critical role in regulating exocytotic and endocytotic pathways (summary by Zhu et al., 1994 [PubMed 7811277]).[supplied by OMIM, Nov 2010]