

## Product datasheet for **SC319434**

### **RABGGTA (NM\_182836) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RABGGTA (NM_182836) Human Untagged Clone
Tag:	Tag Free
Symbol:	RABGGTA
Synonyms:	PTAR3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_182836.1  
 GTGGCGCCGCTCTAGCCAGCGCCTGGGCTCTGTGGCGGGCGCCGAGCTCCGCGTCCCC  
 GCGCCTCTCCCAGCGCAGACTTCAAGGGCTACCACTGGACCCTTCCCCTGTCTTGAACC  
 CTGAGCCGGCACCATGCACGGACGCCTGAAGGTGAAGACGTGAGAAGAGCAGGCGGAGGC  
 CAAAAGGCTAGAGCGAGAGCAGAAGCTGAAGCTATACCAGTCAGCCACCCAGGCCGATT  
 CCAGAAGCGCCAGGCTGGTGAGCTGGATGAGTCCGTGCTGGAAGTACAAGCCAGATTCT  
 GGGAGCCAACCCTGATTTTGGCACCCCTCTGGAAGTCCGACGAGAGGTGCTCCAGCAGCT  
 GGAGACTCAGAAGTCTCCTGAAGAGTTGGCTGCTCTGGTGAAGCAGAAGTGGGCTTCT  
 GGAGAGCTGCCTGCGGGTGAACCCCAAGTCTTATGGTACCTGGCACCACCGATGTGGCT  
 GCTAGGCCGCTGCCTGAGCCAACTGGACCCGAGAGCTGGAGCTCTGTGCCGTTTCT  
 GGAGGTGGATGAGCGAACTTTCACTGCTGGGACTATCGGCGTTTGTGGCCACACAGGC  
 AGCCGTGCCCCCTGCAGAAGAGCTAGCCTTCACTGACAGCCTCATACCCGAAACTTCTC  
 CAACTACTCTTCTGGCATTACCCTCCTGTCTTGGCCAGCTGCACCCAGCCGGA  
 TTCTGGACCACAGGGCGCCTCCCTGAGGATGTGCTGCTCAAAGAGCTGGAGCTGGTGA  
 GAATGCCTTCTCACTGACCCCAATGACCAGAGTGCCTGGTTTTATCACCGTTGGCTCCT  
 AGGCCGAGCTGACCCCAAGGATGCACTGCGCTGCCTGCATGTGAGCCGGACGAGCCTG  
 TCTGACTGTCTCCTTCTCTCGGCCCTCTTAGTGGGCTCCAGGATGGAGATCTTGTGCT  
 CATGGTTGATGATTCTCCCCTGATTGTGGAGTGGAGGACCCAGATGGCAGGAACCGGCC  
 CAGCCATGTCTGGCTCTGTGACCTGCCTGCTGCCTCCCTCAACGACCAAGTTGCCCAACA  
 TACATTTTCGCGTCATTTGGACAGCAGGCGATGTCCAGAAAGAATGCGTGTCTTTAAAGG  
 CCGCCAGGAGGGCTGGTGCCGGGACTCCACGACAGACGAGCAGCTATTCAGGTGTGAGCT  
 GTCAGTGGAGAAGTCCACAGTGCAGTCTGAGCTGGAATCCTGTAAGGAGCTGCAGGA  
 GCTGGAGCCTGAGAATAAATGGTGCCTGCTTACCATCATCTGCTGATGCGGGCACTGGA  
 CCCCTGCTGTATGAGAAGGAGACCCTGCAGTACTTCCAGACCCTCAAGGCCGTGGACCC  
 CATGCGGGCAACGTATCTGGATGACCTGCGCAGCAAGTTCTTGGTGGAGAATAGCGTGT  
 CAAGATGGAGTATGCCGAGGTGCGTGTGCTGCACCTGGCTCACAAGGATCTGACAGTGT  
 CTGCCATCTGGAACAGCTGCTCTTGGTCACCCATCTTGAATGTGACACAATCGCCTCCG  
 AACCTGCCACCTGCACTGGCTGCCCTGCGCTGCCTTGAAGTGTGCAGGCCAGTGATAA  
 TGCCATAGAGTCCCTGGACGGCGTACCAACCTACCCCGCTGCAGGAGCTGCTACTGTG  
 CAACAACCGCCTCCAGCAGCCTGCAGTGTCCAGCCTCTTGCCTCCTGCCCCAGGCTGGT  
 CCTCCTCAACCTGCAGGGTAACCCGCTGTGCCAAGCGGTGGGCATCTTGGAGCAACTGGC  
 TGAAGTGTGCCTCAGTTAGCAGCGTCTCACCTAAGAGGCCCTGCCCCCTACCCTTGC  
 CCTTAACTTATTGGGACTGAATAAAGAATGGAGAGGCCCTCTCAGGCTACCAAAAAAAAA  
 AAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_182836

**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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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:**

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\\_182836.1](#), [NP\\_878256.1](#)

**RefSeq Size:** 1961 bp

**RefSeq ORF:** 1704 bp

**Locus ID:** 5875

**UniProt ID:** [Q92696](#)

**Cytogenetics:** 14q12

**Protein Families:** Druggable Genome

**Gene Summary:** Catalyzes the transfer of a geranylgeranyl moiety from geranylgeranyl diphosphate to both cysteines of Rab proteins with the C-terminal sequence -XXCC, -XCXC and -CCXX, such as RAB1A, RAB3A, RAB5A and RAB7A.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the predominant transcript. Variants 1 and 2 encode the same protein.