

Product datasheet for **SC124248**

RABGGTA (NM_004581) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RABGGTA (NM_004581) Human Untagged Clone
Tag:	Tag Free
Symbol:	RABGGTA
Synonyms:	PTAR3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC124248 sequence for NM_004581 edited (data generated by NextGen Sequencing)

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ATGCACGGACGCCTGAAGGTGAAGACGTGAGAGAGCAGGCGGAGGCCAAAAGGCTAGAG
CGAGAGCAGAAGCTGAAGCTATACCAGTCAGCCACCCAGGCCGTATCCAGAAGCGCCAG
GCTGGTGAGCTGGATGAGTCCGTGCTGGAAGTACAAGCCAGATTCTGGGAGCCAACCTT
GATTTTGCACCCTCTGGAAGTCCGACGAGAGGTGCTCCAGCAGCTGGAGACTCAGAAG
TCTCCTGAAGAGTTGGCTGCTCTGGTGAAGCGAGAAGTGGGCTTCTGGAGAGCTGCCTG
CGGGTGAACCCCAAGTCTTATGGTACCTGGCACCCAGATGCTGGCTGCTAGGCCGCTG
CCTGAGCCCAACTGGACCCGAGAGCTGGAGCTCTGTGCCCGTTTCTGGAGGTGGATGAG
CGGAACCTTCACTGCTGGGACTATCGGGCGTTTGTGGCCACACAGGCAGCCGTGCCCCCT
GCAGAAGAGCTAGCCTTCACTGACAGCCTCATCACCCGAAACTTCTCCAATACTCTTCC
TGGCATTACCGCTCCTGTCTCTTGGCCAGCTGCACCCCAAGCCGATTCTGGACCACAG
GGGCGCCTCCCTGAGGATGTGCTGCTCAAAGAGCTGGAGCTGGTGCAGAATGCCTTCTTC
ACTGACCCCAATGACCAGAGTGCCTGGTTTTATACCGTTGGCTCCTAGGCCGAGCTGAC
CCCCAGGATGCACTGCGCTGCCTGCATGTGAGCCGGGACGAGGCCTGTCTGACTGTCTCC
TTCTCTCGGCCCTCTTGTGGGTCCAGGATGGAGATCTTGGCTGCTCATGGTTGATGAT
TCTCCCTGATTGTGGAGTGGAGGACCCAGATGGCAGGAACCGGCCAGCCATGTCTGG
CTCTGTGACCTGCCTGCTGCCTCCCTCAACGACAGTTGCCCAACATACATTTCCGCTC
ATTTGGACAGCAGGCGATGTCCAGAAAGAAATGCGTGCTTTTAAAAGGCCGCCAGGAGGGC
TGGTGCCGGGACTCCACGACAGACGAGCAGCTATTCAGGTGTGAGCTGTCACTGGAGAAG
TCCACAGTGTGCAGTCTGAGCTGGAATCCTGTAAGGAGCTGCAGGAGCTGGAGCCTGAG
AATAAATGGTGCCTGCTTACCATCATCTGCTGATGCGGGCACTGGACCCCTGCTGTAT
GAGAAGGAGACCCTGCAGTACTCCAGACCCTCAAGGCCGTGGACCCCATGCGGGCAACG
TATCTGGATGACCTGCGCAGCAAGTTCTTGTGGAGAATAGCGTGCTCAAGATGGAGTAT
GCCGAGGTGCGTGTGCTGCACCTGGCTCACAAGGATCTGACAGTGTCTGCCATCTGGAA
CAGCTGCTCTTGGTCAACCATCTTGACTTGTACACAATCGCCTCCGAACCCTGCCACCT
GCACTGGCTGCCCTGCGCTGCCTTGGAGTGTGCAGGCCAGTGATAATGCCATAGAGTCC
CTGGACGGCGTCAACAACCTACCCCGGCTGCAGGAGCTGCTACTGTGCAACAACCGCCTC
CAGCAGCTGCAGTGTCCAGCCTCTTGCCTCCTGCCCAAGGCTGGTCTCTCAACCTG
CAGGGTAACCCGCTGTGCCAAGCGGTGGGCATCTTGGAGCAACTGGCTGAACTGTGCTC
TCAGTTAGCAGCGTCTCACCTAA
    
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Clone variation with respect to NM_004581.3

5' Read Nucleotide Sequence: >OriGene 5' read for NM_004581 unedited

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CGAATTCGGCACCAGAACGCCAGGTGCCCGGCTCGCGCTCTGGCCCGGGCGAATCGGG
CTATAGGAAGGGCCACACGGATGGAAGTCTTAGTCCGGGTGCTCACCTCTTGTGGAACGT
GCAAAGCCTGTCCAGGACCTCTTTACACTCTGGGGTCTCTGCCAGGCACGCTTGCTG
CTTCCGGACACATCTGTGGGCGGAGCTAGTAGGGGCGGGCTACGTGATTGACACTTCTC
TCCTCAGACTTCAAGGGTACCCTGGACCCTTCCCTGTCTTGAACCCTGAGCCGGCAC
CATGCACGGACGCTGAAGGTGAAGACGTGAGAGAGCAGGCGGAGGCCAAAAGGCTAGA
GCGAGAGCANAANCTGAAGCTATACCANNANNACNNANGCCNNATNCCAAAANCGCCN
NNNTGGNGANNNGNNNANCCNNNCCNNNCCNNNCCNNNCCNNNCCNNNCCNNNCC
CCNNNNNNNCCCCCCCCNNNACNGCCCCCCCCCGNGCCCCCNCCCGNNNNCC
NANCNCCACAANAANNCNNNANNNNNNNNNNNNNNNANNNNCCCCCCCCNNNNNNNCC
CCCCCCCCCCCCNCCNCCCCCCCCCCCCCCCCNCCNCCCCNCCCCCCCCCCCC
CCCCCNTNCCCCCCCCCNCCCCCCCCCCCCCCCCNCCNNNACNNCCCCCTTCCNN
NNNCAGGAGCGAGGCCAGATACGAGACCTACACACTAT
    
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Restriction Sites: NotI-NotI
ACCN: NM_004581

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_004581.3 , NP_004572.3
RefSeq Size:	2218 bp
RefSeq ORF:	1704 bp
Locus ID:	5875
UniProt ID:	Q92696
Cytogenetics:	14q12
Domains:	LRR, PPTA
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein.</p>