

Product datasheet for **SC109692**

RAB27A (NM_183236) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB27A (NM_183236) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAB27A
Synonyms:	GS2; HsT18676; RAB27; RAM
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_183236 edited
GGGCGGCCGCGAAAAATAACCTTCTCTGAAGAGGACATGTGATTGGAAGTTGTCAATTGTT
GAAGCATTGGTAACTCCAGTCTCTAACGTTTTAGAAAATCATAACAAGCGTTCTCTACC
CTGTAAAGGTGAACTACTGAGTTCTTCATTATGTCTGATGGAGATTATGATTACCTCATC
AAGTTTTTAGCTTTGGGAGACTCTGGTGTAGGGAAGACCAGTGTACTTTACCAATATACA
GATGGTAAATTTAACTCCAAATTTATCACAAAGTGGGCATTGATTTAGGGAAAAAAGA
GTGGTGTACAGAGCCAGTGGCCGGATGGAGCCACTGGCAGAGCCAGAGAATCCACCTG
CAGTTATGGGACACAGCAGGGCAGGAGAGGTTTCGTAGCTTAACGACAGCGTTCTTCAGA
GATGCTATGGGTTTTCTCTACTTTTTGATCTGACAAATGAGCAAAGTTTCTCAATGTC
AGAACTGGATAAGCCAGCTACAGATGCATGCATATTGTGAAAACCCAGATATAGTGCTG
TGTGGAACAAGAGTGATCTGGAGGACCAGAGAGTAGTAAAGAGGAGGAAGCCATAGCA
CTCGCAGAGAAATATGGAATCCCCTACTTTGAACTAGTGCTGCCAATGGGACAAACATA
AGCCAAGCAATTGAGATGCTTCTGGACCTGATAATGAAGCGAATGGAACGGTGTGTGGAC
AAGTCTGGATTCTGAAGGAGTGGTGGCATCAAATGGTCATGCCTCTACGGATCAGTTA
AGTGAAGAAAAGGAGAAAAGGGCATGTGGCTGTTGAGAAGTCAAGTAAGCGACATAGTAG
TTCAGTGGCCCATGCCTGGGATCTTCTCTATGATTGATACATGGCACAGTGAGAGATTA
ATGGGCATTGTGTACAAATGCTTCTCACCATCCCCATTAGACCTACGAATAAAGCATCC
GGTTCTAAAATTAATTTGTTGCAGCTTTGTAATATTTCTTTAAGATTGAGCCTGAGAGT
TAGGAGAAATATTTGAGGCCAAAAGTGCCTTATACAACCTTAGCCTATTATAGTAAATC
ATTCAGGATTCAGAATTTTGCAGTCACAGAAGAGTGTATTTATTATG



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_183236 unedited GGGGCATGTCCCAGCATATTTGTNAATACGAACCCACTATAGNNGCGGCCGCGNAAAA TAACCTTCTCTGAGAGGACATGTGATTGGAAGTTGTCAATTGTTGAAGCATTGGTAACTC CAGTCTCTAACGTTTTAGAAAATCATAACAAGCGGTTCTCTACCTGTAAAGGTGAACTA CTGAGTTCTTCATTATGTCTGATGGAGATTATGATTACCTCATCAAGTTTTAGCTTTGG GAGACTCTGGTGTAGGGAAGACCAGTGTACTTTACCAATATACAGATGGTAAATTTAACT CCAAATTTATCACAACAGTGGCATTGATTTTCAGGGAAAAAAGAGTGGTGTACAGAGCCA GTGGGCCGGATGGAGCCACTGGCAGAGGCCAGAGAATCCACCTGCAGTTATGGGACACAG CAGGGCAGGAGAGGTTTTCTAGCTTAACGACAGCGTTCTTCAGAGATGCTATGGGTTTTCT TTCTACTTTTTGATCTGACAAATGAGCAAAGTTTCTCAATGTCAGAACTGGATAAGCC AGCTACAGATGCATGCATATTGTGAAAACCCAGATATAGTGCTGTGTGGAAACAAGAGTG ATCTGGAGGACCAGAGAGTAGTGAAGAGGAGGAAGCCATAGCACTCGCAGAGAAATATG GAATCCCTACTTTGAACTAGTCTGCCAATGGGACAAACATAAGCCAAGCAATTGAGA TGCTTCTGGACCTGATAATGAAGCGAATGGAACGGTGTGTGGACAAGTCTGGATTCCTG AAGGAGTGGTGCATCAAATGGTCATGCCTCTACGGATCAGTTAGGGNAAAAAAGGNA GAAAGGGNGCATGTGGCTGTNGAGAAGTCAGTAAGCGACATAGTAGTTCAGGTGGCCATG CCNTGGGATCTTTCTT
Restriction Sites:	NotI-NotI
ACCN:	NM_183236
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_183236.1 , NP_899059.1
RefSeq Size:	2772 bp
RefSeq ORF:	666 bp
Locus ID:	5873
UniProt ID:	P51159
Cytogenetics:	15q21.3
Protein Families:	Druggable Genome

Gene Summary:

The protein encoded by this gene belongs to the small GTPase superfamily, Rab family. The protein is membrane-bound and may be involved in protein transport and small GTPase mediated signal transduction. Mutations in this gene are associated with Griscelli syndrome type 2. Alternative splicing occurs at this locus and four transcript variants encoding the same protein have been identified. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (4) differs in the 5' UTR compared to variant 1. Variants 1, 2, 3 and 4 encode the same isoform. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.