

Product datasheet for **SC124653**

RAB27A (NM_183235) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB27A (NM_183235) 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 within SC124653 sequence for NM_183235 edited (data generated by NextGen Sequencing)

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ATGTCGATGGAGATTATGATTACCTCATCAAGTTTTAGCTTTGGGAGACTCTGGTGTA
GGGAAGACCAGTGTACTTTACCAATATACAGATGGTAAATTTAACTCCAATTTATCACA
ACAGTGGGCATTGATTTACAGGAAAAAAGAGTGGTGTACAGAGCCAGTGGGCCGGATGGA
GCCACTGGCAGAGGCCAGAGAATCCACCTGCAGTTATGGGACACAGCAGGGCAGGAGAGG
TTTCGTAGCTTAACGACAGCGTTCTTCAGAGATGCTATGGGTTTTCTTCTACTTTTTGAT
CTGACAAATGAGCAAAGTTTCTCAATGTCAGAACTGGATAAGCCAGCTACAGATGCAT
GCATATTGTGAAAACCCAGATATAGTGCTGTGTGGAAACAAGAGTGATCTGGAGGACCAG
AGAGTAGTGAAAGAGGAGGAAGCCATAGCACTCGCAGAGAAATATGGAATCCCCTACTTT
GAACTAGTGCTGCCAATGGGACAAACATAAGCCAAGCAATTGAGATGCTTCTGGACCTG
ATAATGAAGCGAATGGAACGGTGTGTGGACAAGTCTGGATTCTGAAGGAGTGGTGCGA
TCAAATGGTCATGCCTCTACGGATCAGTTAAGTGAAGAAAAGGAGAAAGGGGCATGTGGC
TGTGTA
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Clone variation with respect to NM_183235.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_183235 unedited</p> <pre>CAGGATTTTGTAAACGACTCACTTATAGGGCGGCCGGAATTCGCACGACGCAACGACCC AAAAAAGCCGGCGGGGGTGGACGCGGCGCGAGGACCCGAGCCAGGCGGGGACAGGAC GGCGGGGCGAGCCAGACAAAAAGTAACTTCTCTGAAGAGGACATGTGATTGGAAGTTGTC AATTGTTGAAGCATTGGTAACTCCAGTCTCTACGTTTTAGAAAAATATAACAAGCGTT CTCTACCCTGTAAGGTGAACTACTGAGTCTTCTATTATGTCTGATGGAGATTATGATTA CCTCATCAAGTTTTTAGCTTTGGGAGACTCTGGTGTAGGGAAGACCAGTGTACTTTACCA ATATACAGATGGTAAATTTAACTCCAAATTTATACAACAGTGGGCATTGATTTACAGGA AAAAAGAGTGGTGTACAGAGCCAGTGGGCCGGATGGAGCCACTGGCAGAGCCAGAGAAT CCACCTGCAGTTATGGGACACAGCAGGGCAGGAGAGGTTTCGTAGCTTAAACGACAGCGTT CTTCAGAGATGCTATGGGTTTTCTTACTTTTTGATCTGACAAATGAGCAAAGTTTCT CAATGTCAGAACTGGATAAGCCAGCTACAGATGCATGCATATTGTGAAAACCCAGATAT AGTGCTGTGTGGAACAAGAGTGATCTGGAGGACCAGAGAGTAGTAAAGAGGAGGAAGC CATAGCACTCGCAGAGAAATATGGAATCCCCTACTTTGAACTAGTGCTGCCAATGGGAC ANACATNAAGCCAAGCATTGAGATGCTTCTGGACCTGATATGAAGCGATGGAACGGTGTG TGGACCAGTCTGGATTCTGAAGGATGGTGGCATCAATGTATGCTCTACGGATCAGTAAT GAAAAAAGAAAAGGGGCATGTGCTGTTGAAAATCAGTAGCGACTATANNTCAGTGCCAT GCCTGGATCTCCTATGATGGCATGCCATGAAAC</pre>
3' Read Nucleotide Sequence:	<p>>Forward primer walk for NM_183235 unedited</p> <pre>NCCCTGATAAACATNAACCCAAGCATTGTANAGCTTCTGGNACTGGAAATGAAGCGAATG GAACGGTGTGTGGACAAGTCTGGCATCCTGAAGGAGTGGTGGCATCAAATGGTCATGCC TCTACGGATCAGTTAAGTGAAGAAAAGGAGAAAGGGGCATGTGGCTGTTGAGAAGTCAAG TAAGCGACATAGTAGTTCAGGTGGCCCATGCCTGGGATCTTCTCTATGATTGGTACATGG CACAGTGAGAGATTAATGGGCATTGTGTACAAATTGCTTCTCACCATCCCCATTAGACCT ACGAATAAAGCATCCGGTTCTAAAATTAATTTGTTGCAGCTTTGTAATATTTCTTTAAG ATTCAGCTGAGAGTTAGGAGAAATATTTAGAGCCAAAAGTGCCTTATACAACCTTAGC CTATTATAGTAAATCATTCAAGGATTCAGAAATTTGCAGTCACAGAAGAGTGTATTTATT ATGTAGAATGAATGAGGGTACTGTCACCTGCCTAATGTAGGTAGGCCAGAGTCTTACA TTTAAGATCTTACATGCAGTTATAAAAACCGCCACAGTCTTCAATCCAGATTTGAAGACT ATGCCATAGGTGACATTAAAATACCATTAAGCCACTTAAATGTTAAATAAGAATATA CATGCACATCAGTCAATGTCTTTGAGTAATAAAATTTATGTAAGCATTCTTATTAACAT GAATTTTGGACAAATCATGGGTATTTCTATAGACCCTGGGTAACCTGGGTTGACCCATTT TTCCCTCACGGAGACTTTTATTATGGTGGGAGGGGAATGTAGTGGAGCAGGCGAGGAGN AGAAAACCGACCAAGGTGGCAAGGAAGATAAAATAACAAGTGTGAGGTAGGTGCGGT GACGGAGGGAGN</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_183235
Insert Size:	2700 bp
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:

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_183235.1](#), [NP_899058.1](#)

RefSeq Size: 2809 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 (3) 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.