

## Product datasheet for **MC200661**

### Rab27a (NM\_023635) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rab27a (NM\_023635) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rab27a  
**Synonyms:** 2210402C08Rik; 2410003M20Rik; 4933437C11Rik; ash  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC009656 sequence for NM\_023635  
AAGCACCCAAAAAAGGCCAGTCGCACGGGTCCGGAGCTCCATTTGGAAGGGAGTACCTAAGGGATAGAG  
CACAGCGAGGACCGGCACGTTGGGAATCTAGCACTGCAGGGACGCAACCCGACGGGACAGCACCCGGAC  
AGAGCACCAAACCGGGTGAAGCACAGAGTCTCCATCATGTCCGATGGAGATTACGATTACCTCATCAAG  
TTCTTGGCCTTGGGAGACTCTGGGGTAGGGAAGACGAGTGTACTCTACCACTGATGGCAAGTTCA  
ACTCCAAATTCATCACCACAGTGGCATTGATTTGAGGAAAAGAGAGTGGTGTACAGAGCCAATGGGCC  
AGATGGAGCTGTGGGCCGAGGCCAGAGAATCCACCTGCAGTTATGGGACACGGCGGGCAGGAGAGGTTT  
CGTAGCTTAACCACTGCATTCTTCAGGGACGCTATGGGTTTCTGCTTCTGTTGACCTGACAAATGAGC  
AAAGTTTCTCAATGTCCGAAACTGGATAAGCCAGCTACAGATGCACGCGTACTGTGAAAACCCAGATAT  
AGTGCTGTGTGAAAATAAGAGTGACCTGGAAGACCAGAGGGCAGTAAAAGAGGAGGAGGCCCGGGAGCTT  
GCCGAGAAGTACGGAATCCCCTATTTTGAACCCAGTGCTGCCAACGGGACAAACATAAGCCACGCGATTG  
AGATGCTCCTGGACCTGATCATGAAGCGGATGGAGCGGTGTGTGGACAAGTCTGGATTCCGGAGGGAGT  
GGTACGGTCCAACGGCCATACCTCTGCGGATCAGCTAAGTGAGGAGAAGGAGAAGGGTTGTGTGGCTGT  
TGAGACGCCAAGCGAGCCCCGTGGCAGCAGCGCATGACCCCTGGTTGCCGCCGGCTCCGCTGTAGAGACC  
AAGCCGGCAGCTCGATGAGATGAGCAAACAGCCCCCTCTATGCCAGGTGCCTCTCCTCGCCTCCAGGAGG  
GTCACCTCGGGCATCCATCTGTAACCGCTGCAGCTTTGTATGATTTAGTCCATGAATCGGAAGAAATAC  
TTCACAGAGCCAAAAGTGTCTTATAAAAGCCACGGTGGCGGGTCATTTAGGGATCCAAGATTTGAGCCA  
TGAAAGATTTTATCTGTTATGTAGAACGCTGATGGTCTGTGCGCTGCCTAACACAGTCGCCTGCCTCA  
ACACAGGACAGCCCTAGAGTCTCATTGAAGACATTAAGATCTTTGAGCAAGGAAAAGCTAGCACGGTCTT  
GAGAATCCAGATTTCAAATCCATACTGTAGACTATCACTCTCAAACACATGAATGTCAATAAGTGTGTA  
CACACAGATCAATGTCTTTCAGCATTGCTTTTTAACATAGCCTTCCCTTTGACATGAGCATAAACAGATG  
GCGGCCATACCTATAGACTCTGAATAGATCGGATTGACTCACTGTGAGTTTGGGGTGGGGGAAGGGTT  
TATGGAGCAGGGTGGGTGAAGTAGGGATCAGTCAGATTGTCTGCTGTTAGCCGAGGGTTCATGAAGACT  
CTTGTGTCTATCCATGGTCTGTTGGTTTCACTGCACCTCTGAACATCGCTCATGCTTCTACAGTATGTAT  
GTTTGCATGTATGTATGGTCTTTCATATGTACGTATGTTTGGTCTGGCACCTCAGGATCTGCTTT  
CACTTGTCTGGAGACTGCCAATCTGACTTTTCCCATCAAGTTTTGGTGGTGGTGGTGTTCACGATTTGT  
TTTCTCCCCCCCCCTTCCCCATTAATGTAAGTGAAGGAATCTCTTTTTAAAAAAAAAAAAAAAAAAAA



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<b>Restriction Sites:</b>	RsrII-NotI
<b>ACCN:</b>	NM_023635
<b>Insert Size:</b>	666 bp
<b>OTI Disclaimer:</b>	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).
<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="#">BC009656</a> , <a href="#">AAH09656</a>
<b>RefSeq Size:</b>	1818 bp
<b>RefSeq ORF:</b>	666 bp
<b>Locus ID:</b>	11891
<b>UniProt ID:</b>	<a href="#">Q9ERI2</a>
<b>Cytogenetics:</b>	9 40.08 cM
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a member of the Rab family of proteins, which is the largest family within the Ras superfamily of GTPases. This gene product is thought to regulate vesicular transport, together with its specific effectors. Mutations in this gene cause several defects, including actin-based melanosome transport defects and immunodeficiency. Mutations in the human ortholog of this gene are associated with Griscelli syndrome type 2. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]</p> <p>Transcript Variant: This variant (2) lacks an exon in the 5' UTR compared to variant 1. Variants 1, 2, and 3 encode the same protein.</p>