

## Product datasheet for MC226378

### Rab27a (NM\_001301230) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rab27a (NM\_001301230) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rab27a  
**Synonyms:** 2210402C08Rik; 2410003M20Rik; 4933437C11Rik; ash  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226378 representing NM\_001301230  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGGATCGC

ATGTCGGATGGAGATTACGATTACCTCATCAAGTTCTTGGCCTTGGGAGACTCTGGGGTAGGGAAGACCA  
 GTGTACTCTACCAGTACACTGATGGCAAGTTCAACTCCAAATTCATCACCACAGTGGGCATTGATTTTCAG  
 GGAAAAGAGAGTGGTGTACAGAGCCAATGGGCCAGATGGAGCTGTGGCCGAGGCCAGAGAATCCACCTG  
 CAGTTATGGGACACGGCGGGGCAGGAGAGGTTTCGTAGCTTAACCACTGCATTCTTCAGGACGCTATGG  
 GTTTCCTGCTTCTGTTTCGACCTGACAAATGAGCAAAGTTTCTCAATGTCCGAAACTGGATAAGCCAGCT  
 ACAGATGCACGCGTACTGTGAAAACCCAGATATAGTGCTGTGTGGAAATAAGAGTGACCTGGAAGACCAG  
 AGGGCAGTGAAAGAGGAGGAGGCCCGGGAACCTGCCGAGAAGTACGGAATCCCCTATTTTGAACCCAGTG  
 CTGCCAACGGGACAAACATAAGCCACGCGATTGAGATGCTCCTGGACCTGATCATGAAGCGGATGGAGCG  
 GTGTGTGGACAAGTCTGGATTCCGGAGGGAGTGGTACGGTCCAACGGCCATACCTCTGCGGATCAGCTA  
 AGTGAGGAGAAGGAGAAGGGTTGTGTGGCTGTGA

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII  
**ACCN:** NM\_001301230  
**Insert Size:** 666 bp



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<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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001301230.1</a></u> , <u><a href="#">NP_001288159.1</a></u>
<b>RefSeq Size:</b>	3215 bp
<b>RefSeq ORF:</b>	666 bp
<b>Locus ID:</b>	11891
<b>UniProt ID:</b>	<u><a href="#">Q9ERI2</a></u>
<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 (1) represents the longest transcript. Variants 1, 2, and 3 encode the same protein.</p>