

## Product datasheet for **MR202531**

### Rab27a (NM\_023635) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rab27a (NM_023635) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rab27a
Synonyms:	2210402C08Rik; 2410003M20Rik; 4933437C11Rik; ash
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202531 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCGGATGGAGATTACGATTACCTCATCAAGTTCTTGGCCTTGGGAGACTCTGGGTAGGGAAGACGA  
GTGTACTCTACCACTACTGATGGCAAGTTCAACTCCAAATTCATCACCACAGTGGGCATTGATTTTCAG  
GGAAAAGAGAGTGGTGTACAGAGCCAATGGGCCAGATGGAGCTGTGGCCGAGGCCAGAGAATCCACCTG  
CAGTTATGGGACACGGCGGGCCAGGAGAGGTTTCGTAGCTTAACCACTGCATTCTTCAGGGACGCTATGG  
GTTTCCTGCTTCTGTTTCGACCTGACAAATGAGCAAAGTTCTCTCAATGTCCGAAACTGGATAAGCCAGCT  
ACAGATGCACGGTACTGTGAAAACCCAGATATAGTGCTGTGTGAAAT AAGAGTGACCTGGAAGACCAG  
AGGGCAGTGAAAGAGGAGGAGGCCCGGGAGCTTGCCGAGAAGTACGGAATCCCTATTTTAAAACCAAGT  
CTGCCAACGGGACAAACATAAGCCACGCGATTGAGATGCTCCTGGACCTGATCATGAAGCGGATGGAGCG  
GTGTGTGGACAAGTCTGGATTCCGGAGGGAGTGGTACGGTCCAACGGCCATACCTCTCGCGATCAGCTA  
AGTGAGGAGAAGGAGAAGGGTTGTGTGGCTGT

AG**CGGACCC**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



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**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\\_023635.1](#), [NM\\_023635.2](#), [NM\\_023635.3](#), [NM\\_023635.4](#), [NM\\_023635.5](#), [NM\\_023635.6](#), [NP\\_076124.1](#)

**RefSeq Size:** 3066 bp

**RefSeq ORF:** 666 bp

**Locus ID:** 11891

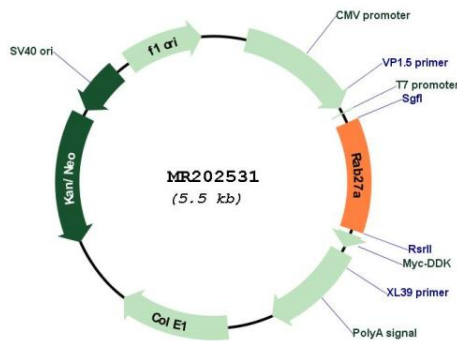
**UniProt ID:** [Q9ERI2](#)

**Cytogenetics:** 9 40.08 cM

**MW:** 25 kDa

**Gene Summary:** 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]

**Product images:**



Circular map for MR202531