

Product datasheet for MC226379

Rab27a (NM_001301232) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rab27a (NM_001301232) 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: >MC226379 representing NM_001301232
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGTCGGATGGAGATTACGATTACCTCATCAAGTTCTTGGCCTTGGGAGACTCTGGGGTAGGGAAGACCA
 GTGTACTCTACCAGTACACTGATGGCAAGTTCAACTCCAAATTCATCACCACAGTGGGCATTGATTTTCAG
 GGAAAAGAGAGTGGTGTACAGAGCCAATGGGCCAGATGGAGCTGTGGCCGAGGCCAGAGAATCCACCTG
 CAGTTATGGGACACGGCGGGGCAGGAGAGGTTTTCGTAGCTTAACCACTGCATTCTTCAGGACGCTATGG
 GTTTCCTGCTTCTGTTTCGACCTGACAAATGAGCAAAGTTTCTCAATGTCCGAAACTGGATAAGCCAGCT
 ACAGATGCACGCGTACTGTGAAAACCCAGATATAGTGCTGTGTGGAAATAAGAGTGACCTGGAAGACCAG
 AGGGCAGTGAAAGAGGAGGAGGCCCGGGAACCTTGCCGAGAAGTACGGAATCCCCTATTTTAAAACCCAGTG
 CTGCCAACGGGACAAACATAAGCCACGCGATTGAGATGCTCCTGGACCTGATCATGAAGCGGATGGAGCG
 GTGTGTGGACAAGTCTGGATTCCGGAGGGAGTGGTACGGTCCAACGGCCATACCTCTGCGGATCAGCTA
 AGTGAGGAGAAGGAGAAGGGTTGTGTGGCTGT**TGA**

AG**GCGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
ACCN: NM_001301232
Insert Size: 666 bp



[View online »](#)

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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001301232.1 , NP_001288161.1
RefSeq Size:	3108 bp
RefSeq ORF:	666 bp
Locus ID:	11891
UniProt ID:	Q9ERI2
Cytogenetics:	9 40.08 cM
Gene Summary:	<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 (3) differs in the 5' UTR and represents use of an alternate promoter, compared to variant 1. Variants 1, 2, and 3 encode the same protein.</p>