

Product datasheet for MR202333

Rab39b (NM_175122) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Rab39b (NM_175122) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Rab39b
 Synonyms: 6330580M05Rik
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR202333 representing NM_175122
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGGCCATCTGGCTGTACCAGTTCGGCTCATTGTCATCGGCGATTCCACGGTGGGCAAGTCTGCC
 TGATCCGCCGCTTACCGAGGGCCGCTTTGCTCAGGTTTCAGATCCCACCGTGGGGTAGATTTTTTCTC
 CCGTTTGGTGGAGATCGAGCCAGGAAAACGCATCAAGCTCCAGATCTGGGATACAGCGGGTCAAGAGAGG
 TTCAGATCCATCACTCGCGCTACTACAGGAATTCAGTAGGTGGTCTTCTTATTTGACATTACCAACC
 GCAGGTCTTCCAGAATGCCATGAGTGGTTAGAAGAGACCAAAGTACACGTTTCAGCCCTACCAAATTGT
 ATTTGTTCTGGTGGGTCACAAGTGTGACCTGGATACACAGAGGCAAGTACTCGCCACGAGCCGAGAAA
 CTGGCTGCTGCATACGGCATGAAGTACATTGAGACGTCAGCCCGAGATGCCATTAATGTGGAGAAAAGCCT
 TCACAGACCTGACAAGAGACATATATGAGCTGGTAAAAGGGGGGAGATTACAATCCAGGAGGGTTGGGA
 AGGGGTGAAGAGTGGATTTGTACCAATGTTGTTTCATTCTCAGAAGAGGTTATCAAATCAGAGAGGAGA
 TGTTTGTGC

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202333 representing NM_175122
Red=Cloning site Green=Tags(s)

MEAIWL YQFRLIVIGDSTVGKSLIRRFTEGRFAQVSDPTVGVDFFSRLVEIEPGKRIKLQIWDTAGQER
 FR SITRAYRNSVGGLLLF DITNRRSFQNVHEWLEETKVHVQPYQIVFVLVGHKCDLDTQRQVTRHEAEK
 LAAAYGMKYIETSARDAINVEKAFDLDL TRDIYELVKRGEITIQEGWEGVKSGFV PNVVHSSEEVIK SERR
 CLC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1887_g09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175122

ORF Size: 639 bp

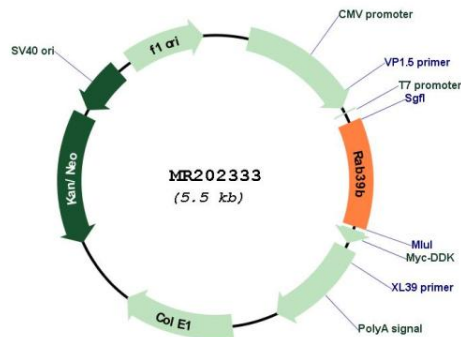
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

- 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_175122.6](#)
- RefSeq Size:** 3362 bp
- RefSeq ORF:** 642 bp
- Locus ID:** 67790
- UniProt ID:** [Q8BHC1](#)
- Cytogenetics:** X A7.3
- MW:** 25.1 kDa
- Gene Summary:** This gene encodes a member of the Ras-related small GTPases, which regulate membrane trafficking in organelles and transport vesicles. This protein has been reported to be enriched in mouse brain, and specifically within neurons, and may play a role in synapse formation. In humans mutations in this gene are associated with X-linked cognitive disability. [provided by RefSeq, Jun 2013]

Product images:



Circular map for MR202333