

Product datasheet for MR202107

Rab24 (NM_009000) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rab24 (NM_009000) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rab24
Synonyms: 6530406O07Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR202107 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCGGGCAGCGCTGGACGTTAAGGTGTTATGCTGGCAAGGAATACGTGGCAAGACGAGCCTGG
 TGGAACGATACGTGCACGACCGCTTCTGGTGGGGCCCTATCAGAACACCATCGGGGCTGCTTCGTGGC
 CAAGGTGATGTGCGTTGGAGACCGGACGGTGACTCTGGCATTGGGACACAGCAGGTTCCGAGCGCTAC
 GAAGCCATGAGCAGAATCCATTACGGGGTGCTAAAGTGC AATTGTCTGTTATGACCTCACTGACAGCA
 GCAGCTTTGAGAGAGCCAAGTTCTGGGTTAAGGAGCTGCGCAGTTTAGAAGAGGGCTGTCAAATCTACCT
 GTGTGGCACTAAGAGTGACCTGCTGGAGGAAGACAGGCGGCGCCGTCGTGTAGACTTCCATGATGTTGAG
 GACTATGCCGATAATATCAAAGCCAACTCTTTGAAACATCCAGCAAGACAGGCCAAAGTGTGGATGAAC
 TCTTCCAGAAAGTGGCTGAGGATTACGTGAGTGTGGCTGCTTCCAGGTGATGACAGAGGACAAAGGTGT
 GGATTTGAGCCAGAAGGCAAACCCTTACTTCTACAGCTGTTGTCATCAC

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR202107 protein sequence
 Red=Cloning site Green=Tags(s)

MSGQRVDVKVVMLGKEYVGKTSVERYVHDFLVGPYQNTIGAAFVAKVMCVGDRTVTLGIWDTAGSERY
 EAMSRIHYRGAKAAIVCYDLTDSSSFERAKFWVKELRSLEEGCQIYLCGTSKSDLLEEDRRRRRVDFHDVQ
 DYADNIKAQLFETSSKTGQSVDELQKVAEDYVSAAFQVMTEDKGVDL SQKANPYFYSCCHH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009000

ORF Size: 612 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_009000.1](#), [NM_009000.2](#), [NM_009000.3](#), [NP_033026.1](#)

RefSeq Size: 1865 bp

RefSeq ORF: 612 bp

Locus ID: 19336

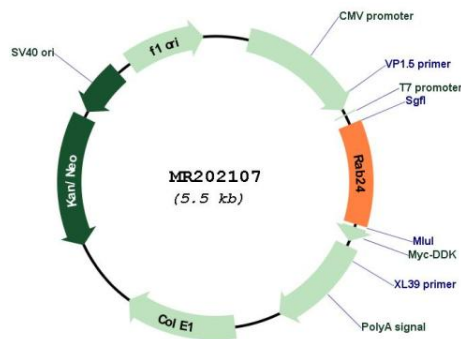
UniProt ID: [P35290](#)

Cytogenetics: 13 29.8 cM

MW: 23.1 kDa

Gene Summary: May be involved in autophagy-related processes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202107