

Product datasheet for MR204556

Rabgta (BC012214) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rabgta (BC012214) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rabgta
Synonyms:	gm
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204556 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCATGGGCGCCTGAAGGTGAAGACGTCCGAAGAGCAGGCAGAGGCCAAAAGGCTAGAGCGGGAACAGA
AGCTAAAGCTCTACCAGTCAGCCACTCAAGCTGTCTTCCAGAAGCGGGAGGCAGGCGAGCTGGATGAATC
CGTCTAGAACTGACAAGCCAGATTCTGGGAGCCAACCTGATTTTGCCACCCTCTGGAAGTGTGCGAGA
GAAGTGTCCAGCAGCTAGAAACCCAGAAGTCCCCTGAGGAGTTGGCTGCTCTTGTGAAGGCAGAACTAG
GCTTCCTTGAGAGCTGTCTGCGTGTGAACCCTAAGTCCTATGGCACTTGGCACCACCGCTGCTGGCTGCT
GAGTCGCCTGCCTGAGCCAACTGGGCCCGGGAGCTGGAGCTGTGCGCTCGCTTCCTCGAGCCGATGAG
CGGAACCTTTCATTGCTGGGACTATCGGGGATTTGTAGCTGCACAGGCTGTGTGCGCCTGCAGAGGAAC
TAGCCTTCACTGACAGCCTCATCACCCGGAACCTCTCCAATATTCTTCCTGGCATTATCGCTCCTGCCT
CTTGCCCCAGCTGCACCCAGCCAGACTCTGGCCCCAGGGACGGCTCCCTGAAAATGTACTGCTGAGA
GAGCTGGAGTTGGTGCAGAAATGCCTTCTTACTGACCCCAATGATCAGAGTGCCTGGTCTATCACCGCT
GGCTCCTGGGGCGGGCGGAGCCCCACGATGTTCTGTGCTGCTGCATGTGAGCCGGAAGAGGCCTGTCT
GTCAGTCTGCTTTTCTCGTCCCCTGATAGTGGGCTCCAAGATGGGACCTTGCTACTCACGTTGACGAG
GCACCTTTGAGTGTGAAATGGAGACTCCAGATGGCAGGAACCGGCCAGCCATGTCTGGGTATCCCGGG
ATTGTTGGGCGAGGATTAGGGTGGGACAGTCAGAAAAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204556 protein sequence
Red=Cloning site Green=Tags(s)

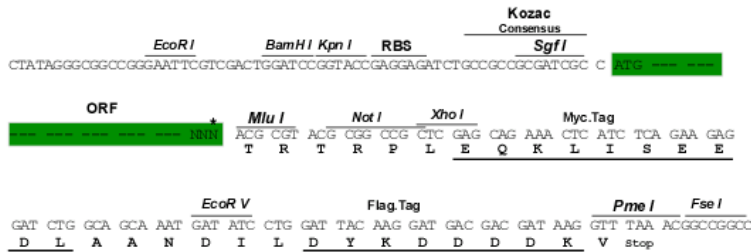
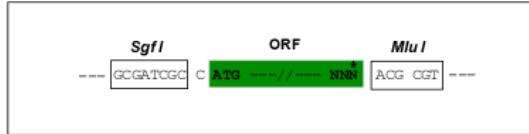
MHGRLKVKTSEEQAEAKRLEREQKLKLYQSATQAVFQKREAGELDESIVLELTSQILGANPDFATLWNCRR
 EVLQQLETQKSPEELAALVKAELGFLESCLRVPKSYGTHHRCWLLSRLPEPNWARELELCARFLEADE
 RNFHCWDYRRFVAAQAAVAPAEELAFDSLITRNFSNYSSWHYRSCLLPQLHPQPDSPGQGRLENVLLR
 ELLELVQNAFFTDPNDQSAWFYHRWLLGRAEPHDVLCCLHVSREEACL SVCF SRPLIVGSKMGTLTLLTVDE
 APLSVEWRTPDGRNRPSHVWVSRDWWGRIRVGQSEKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC012214

ORF Size: 951 bp

OTI Disclaimer: 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: [BC012214](#), [AAH12214](#)

RefSeq Size: 2176 bp

RefSeq ORF: 953 bp

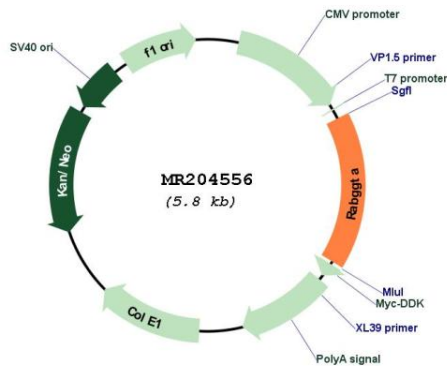
Locus ID: 56187

Cytogenetics: 14 28.19 cM

MW: 36.7 kDa

Gene Summary: Catalyzes the transfer of a geranylgeranyl moiety from geranylgeranyl diphosphate to both cysteines of Rab proteins with the C-terminal sequence -XXCC, -XCXC and -CCXX, such as RAB1A, RAB3A, RAB5A and RAB7A.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204556