

Product datasheet for **RR215063**

Rabggta (NM_031654) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rabggta (NM_031654) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rabggta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR215063 representing NM_031654
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCATGGGCGCCTGAAGGTGAAGACGTCGGAAGAGCAGGCAGAGGCCAAAAGGCTAGAACGAGAGCAGA
 AGCTAAAGCTCTACCAGTCAGCCACTCAAGCTGTCTCCAGAAGCGTCAGGCTGGTGAGCTGGATGAATC
 AGTGCTAGAAGTACAAGCCAGATTCTGGGAGCCAACCCCTGATTTTGCCACCCTCTGAACTGTGGAAGA
 GAAGTACTCCAGCACCTGAAACCGAGAAGTCCCTGAGGAGTCAGCTGCTTTGTGAAGGCAGAAGTGG
 GCTTCTAGAGAGCTGTCTTCGTGTGAACCCTAAGTCCTATGGCACTGGCACCACCGCTGCTGGCTGCT
 GAGTCGCCTGCCTGAGCCCAACTGGGCCGGGAGCTGGAGCTATGCGCTCGCTTCTCGAGGCCGATGAG
 CGGAACTTTCATTGCTGGGACTATCGGCGATTTGTAGCCGCACAGGCTGCTGTTGCCCTGCAGAGGAAC
 TAGCCTTCACTGACAGCCTCATACCCGTAACCTCTCCAATTTCTCTCGCATTATCGCTCCTGCCT
 CTTGCCACAGCTGCACCCCGAGCCAGACTCTGGCCACAGGGTCGGCTCCCTGAAAATGTACTGTGAAA
 GAGCTGGAGTTGGTGCAGAATGCCTTCTTTACTGACCCCAACGATCAGAGTGCCTGGTTCTATCACCGCT
 GGCTCCTGGGTCGGGCGGAGCCCCAGATGTTCTATGCTGTGTGCATGTGAGCCGGGAGGAGGCCTGTCT
 GTCGGTGCTGTTTTCTCGTCCCCTGACAGTGGGCTCCAGAATGGGGACCTTGCTACTCATGGTTGATGAG
 GCACCTTTGAGTGTGGAGTGGAGGACTCCAGATGGCAGGAACCGCCAGCCATGCTGGCTCTGTGACC
 TGCTGCTGCCTCTCTCAATGACCAGTTGCCCCAGCACACGTTTCGTGTCATCTGGACAGGAAGTGATAG
 CCAGAAGGAGTGTGTGCTTTAAAAGACCGCCAGAATGCTGGTCCGAGACTCAGCCACTGATGAACAG
 CTATTACGGTGTGAGCTGTGAGTGGAAAAGTCCACAGTGTGAGTCTGAGCTTGAATCCTGTAAGGAGC
 TGCAGGAAGTGAAGCCTGAGAATAAATGGTGCCTGCTGACCATCATCTGATGCGAGCACTGGACCC
 CCTCCTCTATGAGAAGGAAACACTGCACTACTTCACTACCCCTCAAAGCTGTGGACCCAATGAGAGCAGCT
 TACTTGGATGACCTGCGCAGCAAGTTCTTGTGGAGAAGTGTCTCAAGATGGAGTACGCTGATGTAC
 GCGTGCTGCACCTGGCTCACAAGGATCTCACAGTGTCTGCCACCTGGAACAAGTCTCTTGGTCACTCA
 TCTTGACCTGTCCATAATCGACTCCGAGCCTTACCCCGAGCCCTGGCTGCTCTGCGCTGTCTTGAGGTG
 CTGCAGGCCAGTGACAATGCCCTGGAGAACGTGGATGGTGTGGCTAACCTTCCCGGCTACAAGAGCTGT
 TACTATGTAATAACCGCCTCAACAGTCTGCAGCAATCCAGCCTCTTGTCTCTGCCCGAGGCTAGTCTCT
 CCTCAACTGCAGGGCAACTCGCTGTGCCAAGAAGAGGGCATCCAGGAGCGTTTGGCTGAGATGCTACCG
 TCTGTACGAGCATCTCACC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR215063 representing NM_031654
 Red=Cloning site Green=Tags(s)

MHGRLKVKTSEEQAEAKRLEREQKLLKLYQSATQAVFQKRQAGELDESVLLETSQILGANPDFATLWNCRR
 EVLQHLETEKSPEESAALVKAELGFLESCLRNVNPKSYGTWHHRCWLLSRLPEPNWARELELCARFLEADE
 RNFHCWDYRRFVAAQAAVAPAEELAFDTSLITRNFSNYSWHYRSCLLPQLHPQPDSPGQRLPENVLLK
 ELEVQNAFFTPNDQSAWFYHRWLLGRAEPHDVLCVHVSREEACL SVCFSRPLTVGSRMGTLLLMVDE
 APLSVEWRTPDGRNRP SHVWLCDLPAASLNDQLPQHTFRVIWTSQKQECVLLKDRPEWCWRDSATDEQ
 LFRCEL SVEKSTVLQSELESCKELQELEPENKWCLLTIILLMRALDPLL YEKETLQYFSTLKAVDPMRAA
 YLDDLRSKFLLENSVLKMEYADVRVLAHLAKDLTVLCHLEQLLVTHLDL SHNRLRALPPALAALRCLEV
 LQASDNALENVG VANLPRLQELLLCNRLQSAAIQPLVSCPRLVLLNLQGNLSLQEEGIQERLAEMPL
 SVSSILT

SGP**TRTRPLEQKLI SEEDLAANDILDYKDDDDKV**

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:


ACCN: NM_031654

ORF Size: 1701 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: [NM_031654.2](#), [NP_113842.1](#)

RefSeq Size: 1940 bp

RefSeq ORF: 1704 bp

Locus ID: 58983

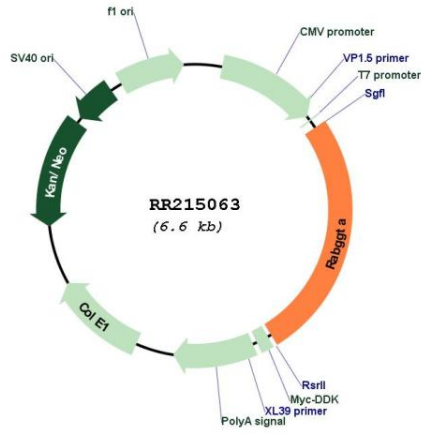
UniProt ID: [Q08602](#)

Cytogenetics: 15p13

MW: 64.9 kDa

Gene Summary: subunit of Rab geranylgeranyl transferase, which catalyses the transfer of geranylgeranyl groups to Rab protein cysteine residues [RGD, Feb 2006]

Product images:



Circular map for RR215063