

Product datasheet for **MR225022**

Rabggta (NM_019519) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rabggta (NM_019519) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rabggta
Synonyms:	gm
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR225022 representing NM_019519
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCATGGGCGCCTGAAGGTGAAGACGTCCGAAGAGCAGGCAGAGGCCAAAAGGCTAGAGCGGGAACAGA
 AGCTAAAGCTCTACCAGTCAGCCACTCAAGCTGTCTTCCAGAAGCGGGAGGCAGGCGAGCTGGATGAATC
 CGTCCTAGAAGTACAAGCCAGATTCTGGGAGCCAACCCCTGATTTTGCCACCCTCTGGAAGTGTCCGAGA
 GAAGTGTCCAGCAGCTAGAAACCCAGAAGTCCCTGAGGAGTTGGCTGCTCTTGTGAAGGCAGAACTAG
 GCTTCTTGAGAGCTGTCTGCGTGTGAACCCTAAGTCTATGGCACTTGGCACCACCGCTGCTGGCTGT
 GAGTCGCCTGCCTGAGCCCAACTGGGCCGGGAGCTGGAGCTGTGCGCTCGCTTCTCGAGGCCGATGAG
 CGGAACTTTCATTGCTGGGACTATCGGCGATTTGTAGTGCACAGGCTGTGTGCGCCTGCAGAGGAAC
 TAGCCTTCACTGACAGCCTCATCACCCGGAAGTCTCCAAGTATCTTCTTCTGGCATTATCGCTCCTGCCT
 CTTGCCCCAGCTGCACCCAGCCAGACTCTGGCCCCAGGGACGGCTCCCTGAAAATGTACTGCTGAGA
 GAGCTGGAGTTGGTGCAGAAATGCCTTCTTACTGACCCCAATGATCAGAGTGCCTGGTTCTATCACCGCT
 GGCTCCTGGGGCGGGCGGAGCCCCACGATGTTCTGTGCTGCTGCATGTGAGCCGGGAAGAGGCCTGTCT
 GTCAGTCTGCTTTTCTCGTCCCCTGATAGTGGGCTCCAAGATGGGGACCTTGCTACTCACGGTTGACGAG
 GCACCTTTGAGTGTGAAATGGAGGACTCCAGATGGCAGGAACCGGCCAGCCATGTCTGGCTCTGTGACC
 TGCTGCTGCCTCTCTCAATGACCACCTTGGCCCCAGCACACGTTTCGTGTCATCTGGACAGGAAGCGATAC
 CCAGAAGGAGTGTGTGCTTTTAAAAGGTACCAGGAGTGTGGTGGCAGACTCAGCCACTGATGAACAG
 TTGTTCAAGTGTGAGCTGTCCGTGGAGAAGTCCACAGTGTACAGTCCGAGCTTGAGTCTGTAAAGGAGC
 TGCAGGAAGTGGAGCCTGAGAATAAATGGTGCCTGTGACCATCATCTCCTGATGAGGGCACTGGACCC
 CCTCCTCTACGAGAAAGAAACACTGGAGTACTTCACTACCCCTCAAAGCTGTGGACCCGATGAGAGCAGCC
 TACTTGGACGACCTGCGCAGCAAGTTCTTGGTGGAAAACAGTGTCTCAAGATGGAGTATGCTGACGTGC
 GTGTGCTGCACCTGGCTCACAAGGATCTCACAGTGTCTGCCATTTGGAACAAGTCTCTTGGTCACTCA
 TCTTGACCTGTCCATAATCGTCTCCGAGCCTTGGCCCCAGCCCTGGCTGCTCTGCGCTGTCTCGAGGTG
 TTGCAGGCCAGTGATAATGCTCCTGGAGAAGTGGACGGCGTGGCTAACCTTCCCCGGCTGCGGGAGCTGT
 TACTATGTAATAACCGCCTCCAGCAGTCTGCTGCACCTTCAAGTCTTGCCTCCTGCCCCAGGCTAGTCTT
 CCTCAACCTGCAGGGCAACTCGCTGTGCCAAGAAGAGGGCATCCGGGAGCGTTTGGCTGAGATGCTACCG
 TCCGTGACGAGCATCCTCACC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR225022 representing NM_019519
 Red=Cloning site Green=Tags(s)

MHGRLKVKTSEEQAEAKRLEREQKLLKLYQSATQAVFQKREAGELDESIVLELTSQILGANPDFATLWNCRR
 EVLQQLETQKSPEELAAVLKAEELGFLESCLRVPKSYGTWHHRCWLLSRLPEPNWARELELCARFLEADE
 RNFHCWDYRRFVAAQAAPAEELAFDSLITRNFSNYSSWHYRSCLLPQLHPQDPSGPQGRLPENVLLR
 ELELVQNAFFTPNDQSAWFYHRWLLGRAEPHDVLCCLHVSREEACL SVCFSRPLIVGSKMGTLLLTVDE
 APLSVEWRTPDGRNRPSHWLWCDLPAASLNDHLPQHTFRVIWTSQTQKECVLLKGHQECWCRDSATDEQ
 LFRCELVEKSTVLQSELESCKELQELEPENKWCLLTIILLMRALDPLL YEKETLEYFSTLKAVDPMRAA
 YLDDLRSKFLVENSVLKMEYADVRVHLAHKDLTVLCHLEQLLLVTHLDL SHNRLRALPPALAALRCLEV
 LQASDNVLENLDGVANLPRLLRELLLCNNRLQQAALQTLASCPRLVFLNLQGNLQEEGIRERLAEMLP
 SVSSILT

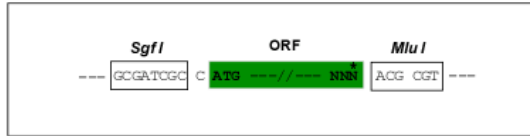
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

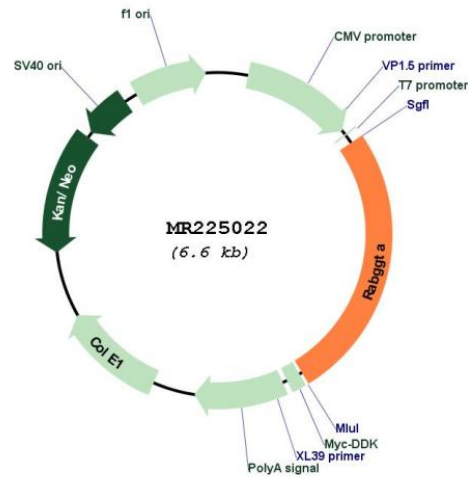
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_019519
 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:	<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_019519.3
RefSeq Size:	2547 bp
RefSeq ORF:	1704 bp
Locus ID:	56187
UniProt ID:	Q9JHK4
Cytogenetics:	14 28.19 cM
MW:	65.4 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]