

## Product datasheet for **MC219072**

### **Rabggta (NM\_019519) Mouse Untagged Clone**

#### **Product data:**

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



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**Fully Sequenced ORF:** >MC219072 representing NM\_019519  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCATGGGCGCCTGAAGGTGAAGACGTCCGAAGAGCAGGCAGAGGCCAAAAGGCTAGAGCGGGAACAGA  
 AGCTAAAGCTCTACCAGTCAGCCACTCAAGCTGTCTTCCAGAAGCGGGAGGCAGGCGAGCTGGATGAATC  
 CGTCCTAGAAGTACAAGCCAGATTCTGGGAGCCAACCCTGATTTTGCCACCCTCTGGAAGTGTCCGAGA  
 GAAGTGTCCAGCAGCTAGAAACCCAGAAGTCCCCTGAGGAGTTGGCTGCTCTTGTGAAGGCAGAACTAG  
 GCTTCCTTGAGAGCTGTCTGCGTGTGAACCCTAAGTCCTATGGCACTTGGCACCACCGCTGCTGGCTGT  
 GAGTCGCCTGCCTGAGCCCAACTGGGCCCGGGAGCTGGAGCTGTGCGCTCGCTTCTCGAGGCCGATGAG  
 CGGAACTTTCATTGCTGGGACTATCGGCGATTTGTAGCTGCACAGGCTGTGTGCGCCTGCAGAGGAAC  
 TAGCCTTCACTGACAGCCTCATCACCCGGAAGTCTCCAAGTATCTTCTTCCGCTGATATCGCTCCTGCCT  
 CTTGCCCCAGCTGCACCCAGCCAGACTCTGGCCCCAGGGACGGCTCCCTGAAAATGTACTGCTGAGA  
 GAGCTGGAGTTGGTGCAGAAATGCCTTCTTACTGACCCCAATGATCAGAGTGCCTGGTTCTATCACCGCT  
 GGCTCCTGGGGCGGGCGGAGCCCCACGATGTTCTGTGCTGCTGCATGTGAGCCGGGAAGAGGCCTGTCT  
 GTCAGTCTGCTTTTCTCGTCCCCTGATAGTGGGCTCCAAGATGGGGACCTTGCTACTCACGGTTGACGAG  
 GCACCTTTGAGTGTGGAATGGAGGACTCCAGATGGCAGGAACCGGCCAGCCATGTCTGGCTCTGTGACC  
 TGCTGCTGCCTCTCTCAATGACCACTTGGCCCCAGCACAGTTCGTGTGCTGCTGGACAGGAAGCGATAC  
 CCAGAAGGAGTGTGTGCTTTAAAAGGTCACCAGGAGTGTGGTGGCAGACTCAGCCACTGATGAACAG  
 TTGTTCAAGTGTGAGCTGTCCGTGGAGAAGTCCACAGTGTACAGTCCGAGCTTGAGTCCCTGTAAGGAGC  
 TGCAGGAAGTGGAGCCTGAGAATAAATGGTGCCTGTGACCATCATCTCCTGATGAGGGCACTGGACCC  
 CCTCCTACGAGAAAGAAACACTGGAGTACTTCAAGTACCCTCAAAGCTGTGGACCCGATGAGAGCAGCC  
 TACTTGGACGACCTGCGCAGCAAGTTCCTGGTGGAAAACAGTGTCTCAAGATGGAGTATGCTGACGTGC  
 GTGTGCTGCACCTGGCTCACAAGGATCTCACAGTGTCTGCCATTTGGAACAAGTCTTGGTCACTCA  
 TCTTGACCTGTCCATAATCGTCTCCGAGCCTTGGCCCCAGCCCTGGCTGCTCTGCGCTGTCTCGAGGTG  
 TTGCAGGCCAGTGATAATGCTCCTGGAGAAGTGGACGGCGTGGCTAACCTTCCCCGGCTGCGGGAGCTGT  
 TACTATGTAATAACCGCCTCCAGCAGTCTGCTGCACCTCAGACTTGCCTCCTGCCCCAGGCTAGTCTT  
 CCTCAACCTGCAGGGCAACTCGCTGTGCCAAGAAGAGGGCATCCGGGAGCGTTTGGCTGAGATGCTACCG  
 TCCGTGACGAGCATCCTACCTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_019519
- Insert Size:** 1704 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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\\_019519.2](#), [NP\\_062392.1](#)

**RefSeq Size:** 2547 bp

**RefSeq ORF:** 1704 bp

**Locus ID:** 56187

**UniProt ID:** [Q9JHK4](#)

**Cytogenetics:** 14 28.19 cM

**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]