

## Product datasheet for MC229603

### Ralgapb (NM\_001291138) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ralgapb (NM\_001291138) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ralgapb  
**Synonyms:** AI507211; B230339M05Rik; p170  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC229603 representing NM\_001291138  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGTACTCTGAGTGGCGGTCCTGCATTTGGTGATTCAGAGTGATCAAGGCCATACCAGTGTGCTACACA  
 GCTATCCAGAGAGTGTGGGCGAGAGGTGGCGAATGCAGTGGTCCGTCCTTTGGGCAGGCATTAGGTAC  
 TTCTTCAGTGGCTGGTAGTGAGAGTTTATTAATAAACTGACAAAGAAGTAAATGGACCATGGAAGTAATT  
 TGCTATGGACTGACCCTCCATTAGATGGAGAGACTGTAAAATATTGTGTTGATGTATATACAGATTGGA  
 TTATGGCTTTGGTGTGGCAAAAAGATTCTATTCCATTACCCATTATTAAGAACCCTAATCTATATGTTCA  
 AAGTATATTAACAATTTACAAAATCTTTTTGTACCAAGACAGGAACAGGGCTCCAGTCAAATCCGACTA  
 TGCTTACAAGTCTGAGAGCCATTCAGAAACTGGCCCGGAGTCATCCATCATGGCTCGAGAAAACCTGGG  
 AAGTCTTACTGTTGTTCTTCTGCAAATTAATGACATACTTCTGGCCCCACCACTGTTCAAGGTGGCAT  
 TGCTGAGAATCTAGCAGAGAAGCTGATTGGTGTCTCTTTGAAGTTTGGTTACTAGCTTGACCCCGGTGC  
 TTCCCAACACCTCCTTATTGGAAGACAGCAAGGAGATGGTGGCTAACTGGAGGCACCACCCTGCAGTGG  
 TGGAGCAGTGGAGCAAGTTATCTGTGCACTGACCTCCAGATTGCTCCGCTTTACATACGGTCTCTCATT  
 TCCTCCATTTAAAGTTCCTGATGAAGATGCCAATCTCATCCCTCCAGAAATGGACAATGAGTGATTGCA  
 CAAACATGGTTTTGATTTTTACACATGCTAAGTAACCCCGTGGATCTGAGTAACCCAGCTGTTATAAGCT  
 CAACTCCCAAGTTTCAAGAACAGTTCCTGAATGTGAGCGGGATGCCACAGGAGCTGAGCCAGTACCCTG  
 CCTTAAACATCTGCCTCAGATATTCTTTCTGTCATGCGTGGAAATCAGCTGTCTGGTGGATGCATTCTTA  
 GGCATTTCTCGACCTCGATCAGACAGTGTCCCCAACACCCGTGAATAGATTAAGTATGCCCCAGAGTG  
 CTGCTGTGAATACCACACCACATAACCGGAGGCACCCGGCTGTTACTGTGAACAAGGCCACAATGAA  
 GACGAGTACAGTTACTACTGCTCACACCTCAAAGTCCAGCACCAGGCATCTCCACCTCTCTCTGTCC  
 AGTCCAAATCAGACTAGTTCAGAACCAGCCGCTGCCTGCCCCGAAGACCAAAGTTAACAGCATCT  
 TGAATCTCTTTGGATCGTGGTTATTCGATGCAGCATTTGTTCACTGTAACTCCATAATGGAATAACAG  
 AGACAACAGCATGACTGCCATTGCAACCAAGCTAGCATGGAGTTTCGACGGAAAGGGTCCCAAATGTCA  
 ACAGACACCATGGTTTTCAACCTGTGTTTGTGCCAGTGAATTTCTGATAACTATGAAGCAGGAAGAG



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CTGAGGCTTGTTGGACATTATGTAGGATTTTTGTAGCAAGAAGACTGGAGAAGAGATTCTGCCAGCTTA  
 TTTATCCAGATTTTACATGCTTTAATTCAGGTTTGCAGATAAATGATTATGTATGCCATCCTGTCTTG  
 GCCAGCGTTATTCTAAACTCCCCCTCTTTGTTCTGCTGTGACTTGAAAGGGATTGATGTTGTGGTTCCTT  
 ACTTTATTTACAGCTCTTGAAACCATTTTGCCTGACAGAGAAGCTCTCAAAATTCAAAAGCTATGTAATCC  
 AACAGAATTGAGAAGGTCATCCATTAATATCCTGCTTTCTTTGTTGCCCTCCCTCATCATTGTTGGCACA  
 GTCAGATCTGAGGTGGTCTAGAAGGAAAGTTAGTAATGATGACAGCTCTTCTATGATAAACCAATAA  
 CTTTTCTGTCCCTGAAGCTGAGACTTGTAATATACTAATAGGTGCCTTGCAAACAGAAACGGACCCCTAA  
 CAACCCCAAATGATACTAGGGCAATGTTAAATATTGTTCAAGATTCTGCACTTTTAGAAGCCATTGGT  
 TGCCAAATGGAATGGTGGTGGAGAAAACAACCTGAAGAGTCATAGTCGACAAACAGTGGCATTAGCT  
 CAGCAAGTGGAGGAAGCACAGAGCCTACAACCCCTGATAGCGAGAGACCTGCTCAAGCTCTTCTGAGGGA  
 TTATGCTCTTAATACAGATTGAGCTGCTGGGCTCCTGATTCGCAGCATTCTCGTCACTCAACGACTC  
 AACTCCCAGTGGCGCAAGATATGAGCATATCCTTGGCAGCTCTAGAGCTCCTCTGCGCTGGCAAAGG  
 TGAAGGTGATGGTTGACTCAGGAGACCGGAAGCGTGCCATCAGTCTGTGTGCAGCTACATCGTATACCA  
 ATGCAGTCGCCAGCTCCTCTTCACTCCGGGATCTGCACTCCATGATAGTGGCAGCATTTCAGTGTCTC  
 TGTGTCTGGCTGACAGAGCACCTGATATGCTGGATGAAAAGGATTGCCTTAAGGAAGTACTGGAGATTG  
 TAGAACTGGGTATCTCAGGAAGCAAATCCAAGAACAGTGAGCAAGAAGTCAAGTACAAAGGTGATAAGGA  
 GCCGAACCTGCATCCATGAGGGTAAAGGACGCCGCCGAAGCCACTCTAACATGTATCATGCAGTTGCTT  
 GGCGCATTTCTTCAACCCAGTGGTCTGCTTCTCCTTGTAGTCTGGTGAATGAGACCACTCTGATCAAAAT  
 ACTCCAGGCTGCCAACCAATAACAAGCATAGTTTCCGGTACTTTGTTTTGGATAACAGTGTATCCTGGC  
 AATGCTGGAGCAACCGCTTGAATGAGCAGAATGACTTTTTCCCTCTGCTACTGTGCTGGTCCGGGGA  
 ATGTCTGGAAGACTTGCCTGGGCTCAGCAGCTTGCCTTTTACCCAGAGGAGCAAAGCAAATCAGAAGC  
 TTTTTGTGCTGAACCTCGCCAGTTCCTAAAAATGATGTTGGATTTAAATATTCTGTGAAACATCGGCC  
 ATTTCTGAAGAGTGGACAAGATTCCTTTTGTAAAAGCAGACTTGAGCATTCCAGATTTACATGAAAT  
 GTCAGTGAAGAATTAGAAGAGAGGCATGAAAAATTAAGAAGTGGTATGGCACAACAAATGCTTATGAGA  
 TGACCTGGAAACAGCAGAGCGAGGGGAACTGCAGAAGCGAAGCTTCCCTGACCTGTTACGGACTGTAA  
 GCCTCCACCTCTGCCAGGAATTTAGACAGCCCGCCTTTTCTTTCTCACTTTGGATTTTTATCCTTA  
 GAGGCATTAAGGAACCTGCAAATAGTCGCTACCTCCTCATCTTATTGCACTCGATTCTACCATACCTG  
 GATTTTTGATGACATTGGGTATCTGGATCTCCTGCCATGCCGGCCTTTTACACTGTTTTTATTTTCTA  
 CATGAAGCCAGGTCAGAAAACAAACCAAGAGATTTTAAAGAAATGTGGAGTCTCCAGAAATGTTACGCCA  
 CATTCTCTAGAATTTTGTCTCCCTGGGCTGGTCAAGATGTGGGAAACACCCCGTGGACAGGAC  
 ATGTGTCCACCAGTTGGTCAATCAATAGTTGTGATGATGGTGAAGGTCTGAACCAGATGAAATAACTTC  
 CTCTGAAGACGTTGGGGCTAGCATTTTCAACGGGCAGAAGAAGGTGCTGTATTATGCTGATGCCCTAACA  
 GAAATAGCTTTTGTGGTTCCTTCTCCTGTGGAGTCACTGACTGATTTCATTGGAAAGTAAACATCTCAGACC  
 AAGATAGTGACTCAAATATGGATCTTATGCCGGGAATTCTGAAGCAGCCACCCCTGACACTTGAGTTGGT  
 CCCCAATCACACAGACAGTCTTAATTCCTCACAGAGGCTCAGTCCCAGTCCAGAATGAAGAAGTGCCT  
 CAGGGTCGCCCTGTGCCCCGCTTGACCTGAGACAAGAGTATCTGTAGTCTGGTGGAAACGCTACGATG  
 ATATAGAAAATTTCACTCTCAGATCTGATGACAGAGATCAGCACTGGTGTAGAGACTACTGCAAATAG  
 TAGCACTCTCTGAGATCTACAACCTTTGAAAAAGAAGTCCCAGTAATCTTCATTCACCCCTTAAACACT  
 GGATTGTTCCGGATAAAAAATCCAAGGAGCCACTGGAAAAATTAACATGGTCATACCTCTGGTTGATGGGA  
 TGATAGTCAGCCGTCGAGCACTTGGCTTTTGGTGGAGGAGCGGTAATAAACATTTGTAGAAGAAGAG  
 ACTGGAGAGTGATTCTCAGTCCACCACATGTCCGTCGAAACAGAAAATCACTGACATTGTCAACAAA  
 TATCGGAATAAGCAGTTGGAGCCAGAGTTTTATACTGCCCTTTTCCAGGAGTTGGACTCAAGAAGTGA  
 GTTCTTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_001291138  
 Insert Size: 4488 bp

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001291138.1, NP_001278067.1</u>
<b>RefSeq Size:</b>	8390 bp
<b>RefSeq ORF:</b>	4488 bp
<b>Locus ID:</b>	228850
<b>Cytogenetics:</b>	2 H1