

Product datasheet for MC225039

Ralgapa2 (NM_001033348) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Ralgapa2 (NM_001033348) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Ralgapa2 |
| Synonyms: | A230067G21Rik; AS250; BC053994; pp250; RGC2 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| Fully Sequenced ORF: | >MC225039 representing NM_001033348 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTCTCCGAAGGAGCCACGGAGATGTGAAAAAGTCCACGCAGAAGGTGCTGGACCCCAAGAAGGACG
TGCTGACCCGCTGAAGCACCTGCGGGCGCTGCTGGATAACGTGGATGCAAGCGATCTTAAGCAGTTCTT
TGAGACCAACTATTCTCAGATATATTTTCATCTTCTATGAAAATTTATAACACTGGAAAAATAGTTTGAAG
TTAAAAGGGAATAATAAGTCACAAAGGGAGGAGCTGGACTCCATCCTCTTTCTATTTGAAAAAATACTGC
AGTTTCTACCTGAACGAATTTTCTTTCGATGGCATTACCAGAGTATAGGCTCAACTTTAAAGAAGCTTTT
ACACACTGGAAATTTCTATTAAGATAAGATGTGAAGGAATCAGACTATTTCTTTTGTGGCTTCAAGCACTT
CAGACAACTGTGCAGAAGAGCAGGTGCTGATTTTCGCTTGCTAGTGCCTGGTTTCCCAGCGGTCTTGT
CATCCAGGGTCCCTGCACACTGGAGACACTCATCAACCCTAGCCCTAGTATAGTTGATGCAAAAATATA
CCCAGAGGAAATCACCCCACTTCTGCCAGCCATATCAGGGGAGAAGATTGCTGAGGACCAAACTGCTTT
TTCTTCAAATACTGTTGAAATACATGGTTATTCAGGCTGCAAGCTTGGAGTGAAGAATAAAGAGAATC
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TACTAAATTAACCAACATCTACAACTGTACTTGAAATTCCTTGGAGACCAAAAGCCAGTATATGTT
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TTAAATGGATTGTAACTTCTTTTGGAAAAAAGTATCTAACTGCAACAAAAACTAAAAATGGAGT
TGATGTATTGCCTAAAATCATCCAGACTGTTGGTGGTGGTGAATACAAGAGAAGGTACCAGAGCTGGAT
GGTGTGGGTCCACAGAACAGGACAAAAGCCATTCTAACAGCAGCACCTTGTCTGACCGAAGACTCAGCA
ACTCCAGTCTTTGTAGCATTGAAGAGGAGCATCGGACAGTGTATGAGATGGTGCAGCGGATCCTCCTGTC
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TCTGTAACAAGAAAAGTAGTTCAAGTGTATAGGAAATGGATCCTCCAGAACAACCTGTTTTTCATGGAGG
AACCAGATAAAAAGGATGTTGCTCAAGAAGATGCTGACAAATTAGGACTTTCAGAGACTGACTCCAAGGA
GGCCTCATCTGAAAGTTCTGGTCATAAACGGTCATCCAGTTGGGGACGCACGTATTCCTTACAAGTGCC
ATGAGCAGAGGATGTGTGACAGAGGAGGACAACAAAAATGTGAAAGCTGGGGCCCAAGCTATGTTGCAGG



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TCTTTCTACGAATGCTGCAAATGTCTTTTTGCTGGAACCATGTGCCGAAGTCCCATGCTCCTGAGAGA
 ACAAGTAGACGCCTCTAAAGCTGTTCTGATTATTTTTCGGCGGATGATAATGGAGCTTACAATGAATCAA
 AAGACATGGGAGCAGATGTTGCAAATCCTTCTCAGGATAACAGAAGCTGTCATGCAGAAGCCAAAGGATA
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 CCCTTGTCTGCTTCCAAATACCTACCAGGAGATCCCTCTGCTGCAGTCAAGTCCAGAAAGTGTGATGT
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 GCTCTACCCCGCAAAATGGCAGAAATCTTGTGGCCACAATTGCGTTCTTTTTACCAAGTGCAGAGTACT
 CGTCAGTGGAAACAGATAAAAAGTTTATTGTGCTTGTCTCTTTGTCTTGGACTGGTGCATGGCGCT
 GCCCGTAGTGCCTCTCCACCCTGTGTCCACAGCAGTTCTAGAGGAGCTGCACCCATCCCGGGCCCCC
 TTGCTGGATTATATCTACAGGGTCTGCACTGTGTGTCTGTGGTCCAGCACATACACACAGCAAAGTC
 ACTATACTCTGACCTTGGCTGACCTGTATCCACGGATTATGACCCCTTCTACCTCTGGCAAACGTGAG
 GAACTCCGAGCCAATCCAGTATCATTATCAGCAGACCTGGGGAACCTGCTGACCGTGAAGAGGAAAAG
 AAGAGAAGAAGTGTGGAATTGATCCCCCTCACTGCACGAATGGTATGGCCACCTAGTGAACCCATAG
 GCCACTATCCACTGAGTGGGGTCTGCTGTGCTGCACAGCCTGGTCAAGTGAAGAACCATGACAATGCCCA
 TGTGGAAGGAACTGAGCTGCTCGGAGGTGTTAGGAGCCCAAACCTGCAGCTTTCGTATTTAATGAT
 AGCACCCCTCATCTCCTATCTTACAGACACCAGCAGAAGGACCAGCTGGAGGGACTTCAAGGGGTTCCCTCT
 CAGATGTGAGAGTCATTGTGAGGGATACTCAGGGAAGTACTTGGGATGGCAAGGTTTTATATGGACC
 TCTGGAAGGCCGTTTGGCACCCAATGGAAGGAACCCCTCATTTCAGATTTCTGGCTGGCATCATCACACA
 TGTGGACCTCAGAAAGATTTGTTAACGGTGAGGAGGGAGATGATGTGCTTGACAAGTACTTGAACA
 TTGGCCATACAAGCCCCGAATGCCTTTTACCATCACAACTAAATCTAAATGAGCCTTCCCCAACCCCATG
 TGCAATGAACTGGACCAAGAGAAGGAATCATGGAGGTATCCTGCGCCAGAGCCACAGGAAGATGAG
 TATGTGCAGAGGTGTAACCTCGGATCTTTCAGTAACGGTACCAGCAAGGGCAGCCCTCACCCGTGGAGC
 CCCGGGGACCCTTTTATTTCTGCAGGTTGTTGCTTGTGACTTGGGAATGAATTCCTGGGACAGAAGGAA
 GAATTTTCATTTGTTGAAGAAAAATTCAAAATTTTATGAGAGAGCTAAAGAATCTGGACTCGCGCCAGTGC
 CGCGAGACCCATAAGATTGCAGTGTTTTACATTGCTGAAGGGCAAGAAGACAAGTGTTCATTCTAGCCA
 ATGAAAGAGGAAGCAAGCATATGAAGACTTTGTTGCTGGTCTTGGATGGGAGGTGGATCTCTCAACCCA

CTGTGGGTTTATGGGTGGTCTTCAGCGCAATGGCAGCACGGGACAGACAGCCCCTTACTATGCTACCTCG
ACCGTGGAAAGTAATTTCCACGTTTCCACTCGGATGCCATCAGATTCAGATGATTCTCTCACAAAAAGC
TCCGTCACCTGGGGAATGATGAGGTCCACATCGTCTGGTCTGAACACTCCAGGGACTACCGCAGGGGTAT
TATCCCAACAGCCTTTGGAGACGTTTCCATCATTATTTACCCAATGAAGAATCATATGTTCTTTATCAGC
ATAACGAAGAAGCCTGAGGTTCCATTCTTTGGGCCCTGTTTCGATGGAGCGATCGTGAGTGGGAAGCTGC
TGCCAAGCCTTATCTGTGCCACATGCATCAATGCCAGCAGACGGTGAAGTGCCTCATCCACTCTATCA
GAGCTTCTACGAAGAGCGAGCTCTGTATCTGGAAGCAATAATTCAAAACCACGGGAAGTCATGACATTT
GAGGATTCGCTGCTCAAGTCTTTTCTCCCTCTCCAGCTACTCTGTCTAGTGAACGGATTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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| Restriction Sites: | Sgfl-Mlul |
| ACCN: | NM_001033348 |
| Insert Size: | 5733 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: | <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_001033348.3 , NP_001028520.2 |
| RefSeq Size: | 9633 bp |
| RefSeq ORF: | 5733 bp |
| Locus ID: | 241694 |
| UniProt ID: | A3KGS3 |
| Cytogenetics: | 2 G1 |
| Gene Summary: | Catalytic subunit of the heterodimeric RalGAP2 complex which acts as a GTPase activator for the Ras-like small GTPases RALA and RALB.[UniProtKB/Swiss-Prot Function] |