

Product datasheet for **MC220397**

Arhgap40 (NM_001145015) Mouse Untagged Clone

Product data:

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|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Arhgap40 (NM_001145015) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Arhgap40 |
| Synonyms: | C20orf95; Gm14203; OTTMUSG00000015933 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >MC220397 representing NM_001145015
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACAGAGCCGTCCTTCTCCCTGCTGCCAAGATGGAAGGGCTGGCCCTGCTGCCCTGACCTCACCT
 GTCCCGGATCCACAGCCCGCATCTCCAGGCAGCCGGGGCGATGGGCCACCTGGGCTCAGCCCTGG
 CCTCTCTACAGGCCACAAATCTGCAACAGCATCCTCAGAAGCCACGCCCTGCTGACTGCTCCACTCC
 CGGCTGTCTGGCAGAGAGTTTGTCCATGGATGGCTTCTGGATGGAGGTGGAACGGATCCAACAGAGGG
 CGGAAGTGAAGAAGGAGGACTGTGGTGAAGGCAGAAGCCAGCTCTAGAAGGAGACACCGAATCCCAGTG
 GCTACAGGACACAGCCGTGCGGGTCTTGTGGTGGTCTGGGCTGGATGGTATCATCAGGACTCCTG
 TCTACACTGACACAGACCAGGTGGTGTGTGCCCGGCTAGACATCTATGCCCGCTCAGCCCGAA
 GACGACAAAAGGCGCCCGTCAGAGACGTCAGGGATATCTTTGGGGTCTTACGTCAGGGAACTGGCTCC
 AGAGAATGGAGTCTCAGGAATGAAATGGACCAAGATCAACTCTGAGGACTCTGCATCTCCCCTGAGATCA
 GCAGAACCTGGGGGACCACAGGAGCTGGCTGGGATGGAGGAAGTCTTCAACATGGACTCTGCTTACTCTG
 AACAAAGCTGCAGTGCTTCTACAGAGGGCTGGCCATCCCCAGGAGGCACCACTGCCTGGGGCAAGGGACC
 CCTGCCGAGGTTCAAGATTTCCAAAGGCAGACTGGGCGTGACCAGGATAGGAGACTTGTCTTCGAGGGAC
 ATGAAGAAGATCCCTCCCTTGGCCCTGATAGAGCTGACAGCACTATGACATCTGGGCCCTGGACTGA
 AGAGATGCAAAGGCGGGAAGTGGAAAGGCCAGACTCCGGCCTTTTTGGCGTGCCTTTCATAGCCTTCT
 GGAAGCTGACCACAGAGTCTTCCCAGCACCCAGTCCCCTGCTCCTGCAAGCTTTGTGTCTGCTTGT
 GAAAAAGAGGGCTGGACACGGAAGGCATCCTCAGAGTGCCGGGATCCCAGGCCAGGGTCAAGGGGCTGG
 AGCAGAAGCTGGAGCGAGACTTCTATGCCGGCCTCGTTAGCTGGGACAAGTTTCATCCCAACGACGCATC
 TGACTTGCTCAAGAGTTTCCCTCCGGAAGTGCCTGTGCCTCTGCTCACAGCCGAGTACCTCCAGCCTTT
 GCATCAGTGCCCGACATCCCTGACCTGAAACAGCGCCTGCAGGCTCTCCACCTGCTCGTCTCTCTCTGC
 CTGAACCAACCGCAACACCTTGAAGGCACTCCTGGAATTCCTCAGGAAGGTGGCAGCCAGGAGCAGCA
 CAACAAGATGACCTTGTGGAATGTTTCCACAGTATGGTCCCCAGTCTCTTCTGCCCGCGGGCGGCCCT
 CCCAAGCTACCAAGGGTGGAAAGCAGCTGGCAGAGGGCGCAGCTGAAGTGGTGTGCATGATGGTGCAGT
 ACCAGGACCTGCTTTGGACGGTCGCTCTTTCTTGGTGTGCTCAAGTGGCAAAAAGTGAATGACAGTAAATGG
 CCGTCTTCCCAGCTCTGTGATGGGGCCCTCAAGACTTGGCTGTGGAGGACACACGTGGACAGAGACAAG
 GCTGGGAAGGGCTTGGAGCGACTCCCAAAGTGGCAAAGATCCAGGTCCAGGCGACTTGGCTAGCATGG
 ATCTTCTGAGGTGCCTCTGAATCCTAGCACCAGGGTGAACCCAGTCTTGAAGCTGTTACAGAGCACCT
 CAACCTGGCTCACAGCCTGAAGAGGGCAGTGAGAACCCTAACAGCCTTCTCTACATAACAGAGCCG
 GTCACCTTCTTGTATGAAGTTGGAGGAAATATTGGTGAACGTCGCTGGACCCAGATGCCTACCTCT
 TGGATTTGTACCGTGCCAACCCCATGGAGAATGGGTATCAGACAGAGCCCCACCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001145015
- Insert Size:** 2019 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_001145015.1](#), [NP_001138487.1](#)

RefSeq Size: 2028 bp

RefSeq ORF: 2019 bp

Locus ID: 545481

UniProt ID: [E9Q6X9](#)

Cytogenetics: 2 H1

Gene Summary: GTPase activator for the Rho-type GTPases by converting them to an inactive GDP-bound state.[UniProtKB/Swiss-Prot Function]