

Product datasheet for RN212422

Arhgap20 (NM_213629) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arhgap20 (NM_213629) Rat Untagged Clone
Tag: Tag Free
Symbol: Arhgap20
Synonyms: RARhoGAP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN212422 representing NM_213629
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAAACGCTAGCAGAAAGGAGGAGAAGCGCCCCATCCCTCATCTGGACAAAGCCTTACAGAAGCGGC
CGAGCACCAGAGACAGCCATTCTGCCAGCATTGACACGTGTGCGTTTCTGTGTCGTTTCATGTGCTCCAG
TCGGACTCTGCTGATTGATGGTCCAGTGGAACTTAAACGAGGCCGCAGAGGCAGGAGAGGCATCTTTTC
CTATTCACGATCTGTTTGTCTCGGCCAAAATCAAATATAACAACAATTTAAGATAAAGAATAAAGTAA
AGCTGGCCGACATGTGGACAGCTAGCTGTGTGGATGAAGTCGGGAAGGCAACACAAACGCTCTGAAGTC
CTTTGTCTGGGCTGGCCACAGTGAATTCGTGGCCACTTTTCAGTTCTCCAGAACAAAAGGACAAATGG
CTCTCTCTCCTTCAGAGATACATCGCTCTAGAAAAGGAAAAAGACTACCCGAAGAGCATCCCCCTCAAAA
TCTTCGCCAAGGACATTGGGAATTGCGCCTATTTCAAACATATCAGTCATGAACCTCAGACACAGCGAG
TGAAGTCATCAACATGTCCCTGCAAATGTTAGGGATAACTGGCTCCGAGAGAGATTACCAACTATGGGTA
AATTCTGGAAAAGAAGCGGCACCATACCCACTCATTGGACACGAGTATCCTTATGGGATCAAAATGAGCC
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TTTCCTCATGGAGCAGCTGCCCGAGAGATGCAATGCCAGTTCATCCTGAAACCTACTCGCCTGGCGACA
GCCCAGCAGCTGAGCGATTCCAGCCATAAGACATATAAGAGGAGGCGCTCCATCATCAACTGGGCTTTCT
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TGGAGTTTCTTTACCAGATATTTGCGAGAACGACAATCTGCCAAAGCCCATCTTGGACATGCTCTCCTTT
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CCAATGTTGTTTTCTAAGGTATCTGTTGGGGATTACACAACATTGAACAACATTCCTTATCTAATCA
GATGACTGCATTTAACTTAGCAGTGTGTATCGCTCCAAGCATTCTTTGGCCTCCTGCTTCTCCAGTCCA
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TATTTGGAGAAGAAATCACTTCTCTCTTGGGGAGCTTTCTGAGAGAAGCGACAGAGAACACACCCAGAT
TACGTCTTGCTTCCAGTTGAACGACTCCTCCTATGACAGCTTAGAAAACGAGCTCAATGAGGATGCCGAT
GCCCCGTGCAGCGACCTGGTCAAACGGCTCGGCCAGGGTAGCAGGAGCATGGACCCAGTCTTAACCTCA
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TAAAGAGGAGCACATTGAAACGAAACAACCCCTGGAGACCAAGCCGGTGAAGTGTTCGTAGCCTACAGG
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CCTCAGATGCCCGAAAGTCTTTCGGCGGCACCGCGCTCCTCAGAGCCAGCATTGACTATCTAGACGC
AAAGCTTTCCTATCTCCGGGAGTTTACCAGAAGAAGTTACGCAAGTCCAGCTGTGATGCCGTGCTCTCT
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TGGTCAATGAAGGAAATCAAGAGACACCTTCTACTAAGTCCAAGCCAGTGGCCATTTCTGTGGCATTTAC
ATGTCCTCCAGGACATTCTGGGAGCAGCCCTTGAAGCAGACGCATGCAGGTTCTCCACCACACACA
TAGCAGATGCCCGAAGAGCTCACGGGCGCATCGGCGCTTCCGAACCCAGCATCGATGACCAGAACTA
CAAGCTGTCTATCTCAGGGGGTCTACTCAAAGAAGCAAAGTAAACCAGCTGTGAGGCTGGCCTCTTG
CATGGCGAAGAGGATTATCTCAAAGGCATAAGTCTTTGCAAATGGAGGGGCAAAAGCTCATTAAATCAGA
GTTTGGTCATGGGGATTGAGGTGGGCAAGAGCAGCAGCAGCACAACCAAGTACTGAGAAGGTTTTGCC
CCCAAGACTAAACCTTTGCCAAGGGCTAGCTATTCCAGTTTATCTTCCCCGGCACATCCCCGTCAGGT
TCCTCGGTAAGCTCCCAGGACAGTGCTTCTCTCAGATCTGTGAACACTCGGTGTTTACACCCACAGAAA
CTTCTCTCCAATAGATTGCACTTTTCCGGGCTCAGAGAAAACAGGAAGAGCTTTCTTCCAGACTGTGACAG
TCCCAGCTCGTTTCTGGAATGCCGGGTCCCTCCATGGGGCAGGCCAGCAGCCACCTAGCTTATTTAAGA
AAGGGTACCACAGAGCAGCTACCACAAATGCATTCTGTAACCTTTCACCCAGCAGATGGTTGAGAAGCG
GCTTGGTCACTTTAAAAAAGTGGTCCCTCAAAAAGAAAACAAAAGCAGCCAGACCCGAGGACAGAAAAGA
CTGTTCCTTAAAAGAACCTCTGGAATTACCTGCATGTGCTGCTGGGACCCAGAGGCTGACTCTCTACAA
GAGAGCCAGGAGGACATACACCTAGGGGTAGATGAAGAAGCTGGGCAAACTACCTGTGGGCTCAGCTCTT
ATGCCTGTGAGGACTCAGAGCAACACGCCAGCTCCCCGTTCTGCCTGGCAGGAAGCAGACTCACGCTTGG
TATCAAGTTGCACGAGGGAGAGGAGAGTGGAGGGCAGTACCCTTGTGATAACCCTTGGGAAGGAGCCACT
TCAGGTCTGGAGACCTCAGAGGATGCAGCAACACAGGTGTGGAACCTGCGACAGTTTGAATGACGGGG
ACAGACATTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_213629
- Insert Size:** 3441 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_213629.1](#), [NP_998794.1](#)

RefSeq Size: 3884 bp

RefSeq ORF: 3441 bp

Locus ID: 367085

UniProt ID: [Q6REY9](#)

Cytogenetics: 8q24

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