

Product datasheet for SC117423

ARHGAP1 (NM_004308) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: ARHGAP1 (NM_004308) Human Untagged Clone
Tag: Tag Free
Symbol: ARHGAP1
Synonyms: CDC42GAP; p50rhoGAP; RHOGAP; RHOGAP1
Mammalian Cell Selection: None
Vector: pCMV6-XL6
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_004308 edited
 GAATTCGGCACGAGGCGCGGTTTCTCTTAAGGTTCTGCAGGGCAAGGCTGTCTGGGACAG
 GCTTGGCCATGGATCCGCTCTCAGAGCTGCAGGATGATCTGACCTTGGATGACACCAGCG
 AGGCTCTGAACCAAGCTGAAGCTGGCCTCCATCGATGAGAAGAAGCTGGCCCTCGGATGAAA
 TGCTGACTTCCCAAGTCAGATGACTCCAAAAGCAGCTCCCGGAACTTGTACACACC
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 ATGACAAGTATGGGCGGAAGATCATTGTGTTTAGTGCCTGTGCAATGCCCCAGCCACC
 AGCTCGACCACAGCAAGCTCCTGGGGTACCTGAAGCACACCTGGACCAGTACGTGGAGA
 GTGACTACACACTTCTGTATCTGCACCACGGCCTGACCAGCGACAACAAGCCCTCCCTCA
 GCTGGCTCCGTGATGCCTACCGGAGTTTGACCGCAAGTACAAGAAGAACATCAAGGCCCT
 TGTACATCGTGCATCCAACCATGTTTCATCAAACTCTGCTCATCCTCTTCAAGCCCTCA
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 AATCCACACAGAAGAGCCCGCGACAGCCCAAGCCATGCCCCACGCGCCCTCTGC
 CCAACCAGCAGTTTGGAGTCTCGCTGCAGCACCTCCAGGAGAAGAATCCAGAGCAGGAGC
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 AGGGCATCTTCCGGAGGTCGGCAACACCAAGTGGTCCGGGAAGTGCAGCAGAAGTACA
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 TCAAGACCTTCCCGGGAGCTTCTGAGCCCTGCTCACCTTTGACCTTACCCCATG
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 GGCTCTGAACCTGGCCCTGCCACCAGCCCTTCTCTGGTAGCCGGGTTTGGACTCT
 TCCTCCTGGCATCAGGGCCATGAAGCCCTGGAGAGAGATGTTGGAGCCACCCATCAG
 GCATGCTCTCCCACTCTGTCCAGCCCGCTCACGGCCCTGGCGGCTCGCTGTTACC



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AGAAGACGTTTTTCTCTGCCTTACACTTCTCACTGCCTCTCTGGACACCGGGCTTTTGT
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TGTGTGAATCCAGTGTTCACATTACACTTAATGACTTCTTGGCACCAATCATGATTT
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ACTCGAC
    
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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_004308 unedited
ACACCCGCCCCTTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCAG
AGCTCATTTAGGTGACACTATAGAATAACAAGCTACTTGTCTTTTTGCAGCGCCCGGAA
TTCGGCACGAGGCGCGTTTCTTAAAGTTCTGCAGGGCAAGGCTGTCTGGACAGGCT
TGGCCATGGATCCGCTCTCAGAGCTGCAGGATGATCTGACCTTGGATGACACCAGCGAGG
CTCTGAACCAGCTGAAGCTGGCCTCCATCGATGAGAAGAACTGGCCCTCGGATGAAATGC
CTGACTTCCCCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT
AGTGGGATGACCCATACTATGACATCGCCCGGCCACAGATCGTGGAGGTGGCAGGAGATG
ACAAGTATGGGCGGAAGATCATTGTGTTTGTGCTGTGCAATGCCCCCAGCCACCAGC
TCGACCACAGCAAGTCTTGGGGTACCTGAAGCACACCTGGACCAGTACGTGGAGAGTG
ACTACACTTCTGTATCTGCACCACGGCCTGACCAGCGACAACAAGCCCTCCCTCAGCT
GGCTCCGTGATGCCTACCGNGAGTTTGACCGCAAGTACAAGAAGAATCAAGGCCTTGT
ACATCGTGATCCAACCATGTTTCATCANAACTCTGCTCATCTCTTCAAGCCCTCATCA
GTTTCAAGTTCGGGCAGAAGATCTTCTATGTGAATTACCTGAGCGAGCTGAGCGAGCAG
TGAAGCTGGAGCAGCTGGGGGATCCCTCGCCAGTGTCAATATGACGACTTCTGATCCC
CCNNNAAAAGCNCCNNNNAAGCCCCAAGCNCAATGCCCCACGGNCCCCCTGCCAA
CCAGAAGAATTGGGAGCTTCTGCTGCGCCACCTCCAGGAGAGAATCCGAGCAGGAGCCCT
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_004308 unedited NNNTTGGATATAGCTATGNNACCGCGCCGCTTCTNCTANGATCGAGTTTTTTTTTTTTTTTT TTTTTGCATCAACATTTTTATTGAAATACAAAAAGTGCAAACGGTGAATACATGATTGG TGCCAAGGAAGTCATTAAGTGTGAATGTGAACACTGGATTACACAGTACAAGCACCCGC TCCCTGGGGTACAGACCAGTGGGGGACATGAGAAAAGACCAATAGATCCGAAAGGCTCCC CAGTGAATGGGGCTGTGAGCGACACTTGATACACAAAGGAGGGCGGAGAGCAGAGCAGCC CTGGCCGAGGCTAGAGACCAAGGGACTGATGAAGAACCAGCAGCAGCCAGGCCCCAGGG GGCTGGATGCACTGCTGATGGTCTTGGGAGAGCCAGCGAAGTTATGCCAGGCCAGCC TGGCTTGCAGGATGGGGCTGGGCTGGTCACTGAGGATCCCCACAGTACGGGCTCTGGAATC ATCCTGCCTGGCCAAGGTCATGGGGGCAGGGTCACTGCAGGTAATCCCTGTACTCCCCA AGGACAAGGCTGCAGGAAGAGGGATCCCCAAGAAGGAGTGAATTCTACGAGACAGTGGG AGTGAATCAGCCATCACTGGGGCCGAAGTTCTTTGAAAGAAACAAGGCTGGCCGGGCGC AATGGCTCACGCCTGGGATTCCAGCACTTTGGGAGGCCCAAGTGGGTGGATCATGAGGTC AGGAGATCGAGACCCTCCTGGCCAACATGTGAAAACCCCTCTTTACTAAAAACAAAATT AACTGGGCTGGGGGCGATGCCCTTTTGTCCCGCTTCTTAGGGAGGGCGAAGGCAGGAG AATTGCTTGAACCCCAAGCCGGGAGTGGGTCCCAGAT
Restriction Sites:	NotI-NotI
ACCN:	NM_004308
Insert Size:	3600 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_004308.2 , NP_004299.1
RefSeq Size:	3372 bp
RefSeq ORF:	1320 bp
Locus ID:	392
UniProt ID:	Q07960
Cytogenetics:	11p11.2
Domains:	RhoGAP, SEC14

Gene Summary:

This gene encodes a member of a large family of proteins that activate Rho-type guanosine triphosphate (GTP) metabolizing enzymes. The encoded protein contains a SRC homology 3 domain and interacts with Bcl-2-associated protein family members. [provided by RefSeq, Aug 2012]