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Product datasheet for SC332698

ARHGAP20 (NM_001258418) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: ARHGAP20 (NM_001258418) Human Untagged Clone

Tag: Tag Free

Symbol: ARHGAP20

Synonyms: RARHOGAP

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC332698 representing NM_001258418.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGAAAACACTAGCAGAAAGGAGGAGGAGCGCTCCATCTCTTATCCTGGATAAAGCCCTACAAAAACGG
CCTACTACCAGGGACAGTCCTTCTGCTAGTGTTGACACATGCACATTTCTGTCATCATTAGTGTGCTCC
AATAGGACTCTGCTGATTGATGGCCGGGCAGAACTCAAAAGAGGCCTCCAGAGGCAGGAGCGGCATCTT
TTCCTATTCAATGATCTGTTTGTTGTGGCCAAAATCAAATATAACAATAACTTTAAGATAAAAAATAAA
ATTAAATTAACTGATATGTGGACAGCAAGCTGTGTGGATGAAGTGGGAGAAGGCAACACCAATGCCATG
AAATCCTTTGTTTTGGGCTGGCCCACAGTGAACTTTGTGGCCACTTTCAGTTCTCCAGAACAAAAGGAC
AAATGGCTCTCTCTCCTTCAGAGATACATCAATCTAGAGAAAGAAAAGGACTACCCGAAGAGCATTCCC
CTCAAAATCTTCGCCAAGGACATTGGGAATTGTGCCTACTCTAAAACTATAACAGTAATGAATTCAGAT
ACAGCGAATGAAGTTATCAACATGTCATTACCAATGCTAGGGATAACTGGCTCTGAGAGAGATTACCAG
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CTCCAGGAGCCCTTCCTTATGGAACAGCTCCCCCGAGAGATGCAGTGCCAGTTCATCCTGAAGCCCAGC
CGCCTGGCTGCAGCCCAGCAACTGAGTGATTCAGGTCATAAGACATTTAAAAGGAGAAGATCTATCATA
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CCAGGACAGCTCTTTGGAATTTCTCTGCCAAATATTTGTGAGAATGACAATCTGCCCAAACCTGTCTTG
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AAATCCTGCAGAGAACTAAAAGAGAAATTGAATTCTGGAGTCGAAGTACACCTAGACTGTGAATCTATT
TTTGTGATAGCATCTGTCTTAAAGGATTTTCTGCGAAATATTCCAGGAAGTATTTTTTCATCAGATCTC
TATGATCACTGGGTCTCTGTAATGGATCAAGGAAATGATGAAGAGAAAATAAATACTGTTCAAAGGCTA
TTAGACCAGCTTCCGAGAGCCAATGTTGTTCTCCTAAGGTATCTTTTTGGGGTGTTACACAACATTGAG
CAACATTCCTCATCCAATCAGATGACTGCATTTAATTTAGCTGTGTGTGTCGCTCCAAGTATTCTTTGG
CCTCCTGCTTCCTCCAGCCCAGAACTAGAAAACGAATTTACAAAAAAGGTTTCCCTGCTTATACAATTT
CTGATTGAGAATTGCCTTAGGATATTTGGAGAAGAAATCACTTCCCTCTTCAGAGAGGTTTCAGTGAGA
TGTGACACTAGAGAGAATGCCTCAGATATTTCTTGCTTTCAACTGAATGACTCCTCCTATGACAGCTTG
GAAAATGAGCTAAATGAGGATGTTGATGCACCATGCAGTGACTTGGTAAAGAAACTTGGCCAGGGGAGC
AGAAGCATGGACTCTGTCTTAACCCTCAGTGACTATGATCTTGACCAGCCCGAGGTGGAAGGCCTTTTA
ACCCTAAGCGACTTTGACTTGGCCCATTCTAAAGATGAAGATGTTCAAATGAAACGGCCTCTTGAATCC
AAGCCGGTGAACATTTTAGTGTACACAAAGATCCCACTGCGGGATCATGCCAGGGCCCCATCTGCCATG

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TGCACACCCAGCTACCTGTCCACAGCTGCAGCAAATGCTGCAAAAAGCCTGAGGCGACACCGGCGTTGC
TCAGAGCCCAGCATCGACTATCTGGATTCAAAGCTTTCCTACCTCAGGGAGTTTTATCAGAAAAAGCTA
CGCAAGTCCAGCTGTGATGCAATTCTTTCTCAAAAAGATGAAGACTATCTGAAGCAGAATCAACCCCTC
CAGGAGGAAGGAAAGACATGTTTTAAACAGAGTTTAGTCACAGGCACTGATGTCAGCAAGAAAAATGCC
ACTACTCAAAACACTAAGAAGAAAAGCTTGTCTGGTAGTGAAGGAAATCACGTGAAACTTTTCCCTAAG
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CCCTTTGATGTGAATACATCTGGATACTCCCCACCACACACAGCAGATGCCCTCAAGGGTCCAAGGACA
CATCGGCGCTGCTCAGAGCCCAACATAGAAGACCAGAACCGCAAGCTGACCTATCTCAGGGGAATTTAT
TCAAAGAAACAACATAAAACCAGCTGTGAAGCTGGTCTCTTGCATGGAGAGGAGGATTATCTCAAACGG
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AGCTATTCCAGCTTATCCTCCCCAGGCACTTCCCCATCCGGCTCATCAGTAAGCTCCCAAGACAGTGCT
TTTTCTCAGATTTCTGAACACTCTGTGTTTACACCCACTGAGACTTCCTCTCCAATAGATTGCACTTTT
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GGTCCCTCATCAGGGCAGGCTTGCAGCCGCCCAGCCTATACAAAGAAGGACACCATGGAGTGGCATTCA
CAAATGCATTCTGTAACTCTTCATCCCAGCACATGGTTGAGAAATGGTGTGGCCAGTTTGAAAAACTGG
TCCCTCAAAAAGAAAGCAAAGGCAGCCAGACCAGAGGAAGAGAAAATAGCTTCTCCAAAAGGACCCTTA
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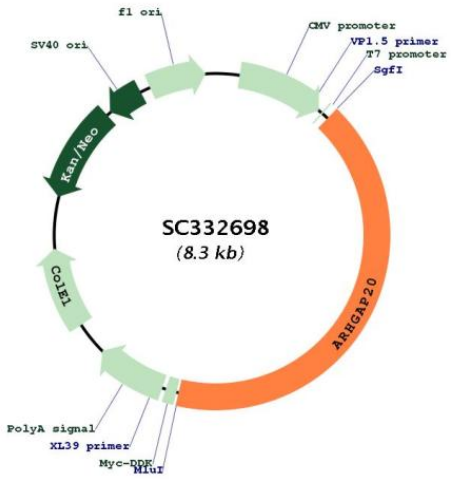
TTAAGGGCAGCTGAAGGACTGTCCCCTGTGCAGTCAGCCCAAAGGTGTAGTTCTTCTCCCTTCCAGGAC
TCAGAGAGACACTGTAGCTCTCCATTCAGCCTGGTGGAGAGCAGACTTAAGCTGTGCATGAAGTCACAT
GAGGAAATAGAGCCTGGTAGTCAGAGCTCTTCTGGTTCTCTGCCTTGGGAAAGAGCCTCAGCCAGCTCT
TGGACTCTAGAGGATGCGACCAGCCCAGACTCAGGGCCTACAGTGGTCTGCGACATTGAGGACAGGTAT
TTAACCAAAGACATTTAA

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001258418

Insert Size: 3468 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_001258418.1
RefSeq Size:	6017 bp
RefSeq ORF:	3468 bp
Locus ID:	57569
UniProt ID:	Q9P2F6
Cytogenetics:	11q22.3-q23.1
MW:	129 kDa
Gene Summary:	The protein encoded by this gene is an activator of RHO-type GTPases, transducing a signal from RAP1 to RHO and impacting neurite outgrowth. [provided by RefSeq, Sep 2016] Transcript Variant: This variant (5) differs in the 5' UTR and initiates translation at a downstream, in-frame start codon, compared to variant 1. Variants 4 and 5 encode the same isoform (4), which has a shorter N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.