

Product datasheet for **MC216681**

Arhgap19 (NM_001163495) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap19 (NM_001163495) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arhgap19
Synonyms:	4933411B03Rik; AI120128; AW546831; mFLJ00368
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216681 representing NM_001163495
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGCGGCTGAGGCGCCGAGTGGAGGGGAGGCGCCGGTCTGCGACTCTGGCCGAGTGATGCCATCTGCA
 ATTTTGTCAATTTGCAATGACTCTCCCTTCGAGGTCAGCCTATTATCTTCAATCCTGACTTTTTTGTGGA
 GAAACTCCGACATGAGAAACAGAGGTGTTACCGAATTGGTGGTCAGCAACATCACAAGCTTATTGAT
 TTGCCGGGAAGTGGCTCAGCTGATGGGTGAAGTGGACCTTAAGCTGCCTGGAGGGGCTGGCCAG
 CAGCAGGATTCTCAGGTCTCTAATGTCTCTCAAGCGGAAAGAAAAGGAGTGGTATTTGGATCTCCGT
 GACGGAGGAAGCATTGCCAGATTTATCAGCTGATTGAATATCTGCACAAAACCTTGCAGTGGAGGGC
 TTGTTTAGAGTACCAGGCAACAGTGTTCGACAGCAGCTTTTGGGGATGCTCTCAATAACGGGACTGATA
 TTGACTTGGATTAGGAGAGTTTCACTCAAATGATGTGGCCACGCTGCTGAAGATGTTTCTAGGAGAGTT
 ACCCGAGCCCCTGCTGACCCATAAACATTTTCATGTACACCTCAAATTTGCTGATCTGATGCAGTTTGAT
 GATAAAGGAAATAAGACCAACATACCAGACAAGGAGCGGAGATTGAGGCCCTGCAGCTGCTCTCTCTCA
 TCCTCCCTCCAGCCAATCGTAACCTTGCTAAAGTTACTGCTTGATCTCTGTATCAGACAGCGAAGAAGCA
 AGACAAGAATAAGATGTCTGCCATAACCTTGCTCTTATGTTTGACCCCATGCTCTGTGGCCAAAAAT
 GTCAGTCAAAATGATCTTCAGGAGAATATCATAAAGTTAAACACAGGAATGGCTTTTATGATCAAACT
 CTCAGAACTTTTTAAGGCTCCTGCTTATTCGCGAATGTGCCAGATTATACTATTGGGCTCCAGAAC
 TCAATGTCAAAGGATGACCTTGATCTGACAACCTCATGTACATATGCTTCCAGCTGGCAAGATGT
 CAGAGACAGAACAGGGTAGATCCTTCTCTCAGCAGGAGGAGACCCAGCAGCACAGAAAGAGGCGCTGA
 GAGAACTCTTCCAGCATGTTTCACTAACTGGCCAGACTCCGGAAGAAGAAACAACCTTCTCAGACAGTTCCA
 TAAGCAGTCTCTGACTCAAACACAGGGAGAGAACCTTCTACTCCAGGGTCCAGAAAGAGAGCCCGCTCA
 CGCTCCTTCAGTGGGCTTATCAAGCGCAAAGTCTGGGAGTCAGATGACTTCAGAAAAGAAAAACAGTT
 CTCCTGCTCCAGAGTCTGTGGCCATGGGGAACTGAAGAAAGCCAGCAAAGAAAAATGAACCTGGATTC
 TTTGAAGGCTCTCTTTATTACTTCTGTCTCTACAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001163495
- Insert Size:** 1440 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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001163495.1</u> , <u>NP_001156967.1</u>
RefSeq Size:	5071 bp
RefSeq ORF:	1440 bp
Locus ID:	71085
UniProt ID:	<u>Q8BRH3</u>
Cytogenetics:	19 C3
Gene Summary:	GTPase activator for the Rho-type GTPases by converting them to an inactive GDP-bound state.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an alternate exon, compared to variant 1, that causes a frameshift. The resulting protein (isoform 2) is shorter and has a distinct C-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.