

Product datasheet for MC224434

Arhgap31 (NM_020260) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap31 (NM_020260) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arhgap31
Synonyms:	5830477L08Rik; AU041750; Cdgap; D330026I07Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224434 representing NM_020260 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGAACAAGGGTGCCAAGCAGAAGCTGAAACGAAAGGGAGCCGCCAGTGCCTTTGGATGTGACCTGA
CGGAGTATCTGGAAAGTTCGGGACAGGATGTTCCATATGTGCTGAAGAGCTGTGCTGAATTCATAGAGAC
TCACGGCATTGTGGATGGAATCTATCGCCTCTCGGGCATCACCTCAAACATCCAGCGGCTGAGGCAAGAG
TTTGGCTCAGATCAATGCCAGATCTGACAAGGGAAGTGTACCTCAAGACATCCACTGTGTGGGCTCCT
TGTGCAAGCTCTACTTCCGGGAGCTGCCAACCCCTCCTGACCTACGAGCTCTATGAGAAATTCACGGA
AGCAGTGTCTCATCGCCAGAAGAAGGCCAGCTGGCCAGAATCCAGAATGTTATCCTGGAGCTTCCCCCA
CCCCATTATAGGACCTTGAATACCTGATTCGACACCTGGCCACATCGCCTCATTACAGCAGCAAGACCA
ACATGCACGCCAGGAACCTGGCCCTGGTGTGGGCCCAAACCTCCTCAGGAGTAAGAAAATCGAAGCCAC
TATTTGCAATGGAGATGCGGCGTTTCTGGCAGTCCGGGTCCAGCAGGTGGTGATTGAGTTCATATTAAT
CACGCTGATCAAATCTCAATGGCGGTGCTCCAGGGCTCTGCAGCAGGATGAAAGCCGTAATATCACAA
AGAGCCTGACCTTGCCAGCCTTGCCCTGCCATGAAGTTGGTAAGCCTGGAGGAGGCTCAGGCCCGAAG
CTTGGCGACAAAACCCCTGCTCGAAGGAAAGACGAGAGAACAGCCTGCCCGAGATCGTCCCTCCTCCC
TTCACACCGTCTTGAGTTACCAGACAACAAGAGAAAGCTTTCAGCAAATCAAAGAAGTGAAATCGA
TATTTAACCTGGGACGTTCTGGATCGGACTCGAAGTCCAAGCTGAGTAGAAAACGGGAGTGTGTTCTGAG
AGGCCAGAGGCTGTGAGTGGAAAAGGCTACTATCCGGCCAGCAAAAAGCATGGACTCACTGTGTTCTGGT
CCTGTGGAAGGAAAGAAAACAAAGGAAATTTTCAGTGAACAGTCACTGAGGAGGATTTTTCATTCCAG
CCAAAAATGCACGCGAGCAGCACCGGAAGCTCCTGTGACCTCAGCAAGGAGGGTGAATGGGGTCAGGA
GGGATGCCCGCAGGGGCTGAGGGGGCTGCGAGGTGGGCGTCCAGATCCGGCCACTGCCTGAGCAGCTG
AAGGTGTTCCGCCCATCGGAGACCTGAGAGCAGCAGTCCGCCCAAAGCTTCTCGGGATGTTCTACA
CCTCCAGCGCAGATCCTGGCAAATCTGTCTTACAAGCAGCCTGTTCCAGATGGAACCTCACCCGCCA
CCAGCGAAAGGCGCTCAACATCTCCGAGCCCTCGCCGTGTCTGTGCCACTCCGCGTGTCCGCCGTATC
AGTACCAACAGCACCCCGTGCAGGACACCCCAAGAGCTACAGTCTCTCCAGCCTCGAAGAGTTTT



CTTTCCAAGGTTCAAGAGTGGAGGATGGCCAGAAGAAGAGAAGCCCCTGGGGGCTGAGTCTTTCCAGG
 CTCTGTTACTAAGAAGGCAGCTACCGAGGACACCAAGCCAGAACCTGAAGTCCCAGGGAGAGCAGAATGT
 AGCCAAAGCCCTCCCCTGGACCCAGGCACCCAAGTGGAGAAGAAAACCTTGCATGTATCCCTGGGCTCTC
 AAGTATCAAAGGAAGCAGAGAAGCGCCAAAGGCTGAGAAGGTGATGGAGGAGAGCCAGGGTGTAGCCA
 GCCGAAGCCAGCACTCCACAAGAGAGCCTCGGGGCTGGGACTGAACCATTGATTCTCCACGAGATGGAT
 GAAGAAGACCTGGCTCAGGCCTTGATCTGGCCTGAGATTCAACAGGAAGTAAAAATCATTGAATCAGAGG
 AGGAGTTCTCTTCCCTGGCACCCTGCTCAGAAGACAAGCCCGATTCCCTGAGTCAAGCCAGCCCATTT
 TCCCTTCCAGAAGCCCTGGGAGCTTGCTAGTAGCTCTGCTCCTCGGGAGGTGTGGACTAGGGACGCA
 GCCAATCAGAGCATACAGGAAGCTGCTATCCTCACTGACAGAGAGAAGCTAGAGCCAGTCTGCAGCCTCC
 TCGAGTCAGAGTCTCAGCAGGAGCTCAGCCAGACCCAGCCAGTCTAGCGCCTCTGGAAATGCTTCTGTT
 TGAGAAGGTATCTTCTCCGGCTAGGATAGAGATAGGAGGCCAAAGGAATCTCTCTCCCCCTTACTCTCT
 GCTCCTCTCCCCCACACCTCTGGAGGAGGAGCCTGAAGTCTGCTGTCAAAGGAAGGTCTGACAGGG
 AAGATGCAGCCAGGGATTCCAGGACAGATGTCTACACAGAGCAGCAACCCCAAAGAGAGCCCTGGCAT
 CCCTACCCCTGTGAGAGAGGGAAGCTATTGCAAGCCAAATGAGAAGCAAAACGCAAGGCATGCTGTT
 CCTGAGAACAAAGGCCCTGGTCTTCCAAGCCAAACAAAGAGGTTGACATCATCCACAAGAGGAGGGAG
 GTGCTCCGCATTAGCACAAGAGCCTTCAAGACTGTGACGAAGATGACACTGTGACGGACCCTGCCAGCA
 TGGCCTGGAGATGGTGAACCTGGGAGGAACCCAGTGGGTGACCAGTCCCCTTATTCTCCACCTTG
 AAAGAAGTTCAGGAGTCCAGAGCAAGGCTCCAGGGCCACCGATTAGAGAGGAGACTTGGCCACAGGC
 CCAGCCTTCGCCAGAGCCATTCTCTCGATAGTAAACCACTGGAAACAGCCACTGGACTCTTGAGGCGCC
 CTTCTCCAGCAGTTGTGCCAATCTGAAACAGAGAGGAAGTATGAGCCTCTGCAGCCCCGGCAGCCAGG
 ACCAAGATTGCCGGATTGGAAGAGAAAGCCCTAAAAGCCTTCAAGAGTCTCTGGCCTGAAAGGGTTAG
 AGGTTCTTCCAGTCAGAAGGGACCATCTGGTATACAACCCAAACCAAGTAAACCAACTCATGGGTTT
 AGCAGAGGGAAAGGAGCAGGAACCAACTGGAACCTTAGCAACCGTCAGATGAAACACAGTATGTTCCC
 GGGCCAGATAGCAGCAAGGAGAGTTCAACCGAGGGCTCAAGACAGCACCTTACCTGGGGAACATCCCTTAC
 AGTTACAGCTTAAGAACACTGAGTGTGGGCCCTCAAAGGGAAACACAGGCCGTCTTCCCTCAACCTGGA
 CTCTGCCACTCCCATAGCTGACCTTTTCCGACTTGAGAATGGGGCTCCCTTAGCTCACCTGGAATAGAG
 CTCTCTGAACTAGGAGACACCAAGGTACCTGGATGAGCTCCTCTCACTGCAAAGCAGCCCCCTGGAATT
 CCCAGGACACGCAGGACCTGGACATTGTTGCCACACCCTGACAGGCCGAGGAATTCGGCTCTGTAAG
 TGTGTCAGCTGTGAGAACCTCCTCATGGTCAAATGTGTGAGGCCAAGGCAGTCCCTGTCATCCCACCC
 AAGATCCAATACACACAGATCCACAGCCCTGCCCTCTCAGAGCACAGGGGAGGGAGGGGCTCAGCCTC
 TGGAGAGAAGCCAGGAAGAACCTGGTTCAACCCCTGAGATCCCTCAGAAATCCACCAAGATGATTCTCC
 CTCTCCCTGGGAAGCCAGAGGAAGAGCAACCAAGCAAGAGACAGGAGCCTCCGCATCCCGGAGGCAG
 GCCAGCATTACATCCTGCATGTATGAGGGTCTCCTGCTCTCCAGAACCAAGTGCATCCACTCTGGCCT
 CCACACAGGATGCGGTGGTGAATGCAGAAAACGCACATCAGAGACAGAGCCATCAGGAGACAACCTTCT
 TTCTTCCAAACTGGAGCGAGCATCTGGGGTCTTAAAGCTTTCCACAGGTCAAGGCCAGGAAGACCTCAG
 AGCCTAATCTTATCCCTATCATGGACCATCTACCTTCTCACCCACAGTGATAGATTCCAAGGTCTTAC
 TGTCCCCTATCAGGAGCCCTACTCAGACAGTTCCTTGGTCTTCTGTGGAGAGTTGGCCGAAAACAC
 ATGGATCACACCAGAAGGGTACGCTTAGGAATAAAATGACCATCCCTAAGAATGGCCAAAGACTCGAG
 ACTTCGACAAGCTGTTTTTACCAGCCCCAGCGGAGATCCGTGATTCTGGATGGAAGAAGTGGGAGACAGA
 TAGAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_020260
Insert Size: 4278 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_020260.2 , NP_064656.2
RefSeq Size:	7722 bp
RefSeq ORF:	4278 bp
Locus ID:	12549
UniProt ID:	A6X8Z5
Cytogenetics:	16 B4
Gene Summary:	Functions as a GTPase-activating protein (GAP) for RAC1 and CDC42. Required for cell spreading, polarized lamellipodia formation and cell migration.[UniProtKB/Swiss-Prot Function]