

Product datasheet for MC224132

Arhgap23 (NM_021493) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Arhgap23
Synonyms:	A330041B18Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224132 representing NM_021493 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTGCTGAGCCCATCTCAGCACTACCCCCAGATCCCCGGAGTCTGCTGCCTGGAGTGACCCAGGGT
CCCGTGTCCCATCTGCCACCCGTGCCACCTGGACAACCTTCTCTTGGGGATGAGCCAGCCCCGCCAAG
CCCTGGTGCCTTTCCCACTCCCTTCAGAGTCCCGGACACCCGTGCCTTCCAGAGCCTGGCAGCCGG
GTGCTTCCAGCAGACTGGAGTGCCAGCAGGCTCTGTCACTGGCTGTCCAATCAGATACCCCGCAGAG
CGGGGAGAGACGGTGCCAGCCATGCCACCCGGGCCCGCAGTGCCTCCAGGACCGTTGGAGGATGT
GACTACCCACCACCCATGGCCCTGCTCCACCTCCAGGATGCCTTGAGCCAGCTGGGCCAGGAGGGTTGG
CACCGAGCTCGCTCAGACGATTACCTGAGCCGGGCTACCCGCTCTGCTGAAGCACTGGGTCCAGGAGCAC
TGGTGTCCCTCGTCTTGAACGCTGTGGTTGGGCTTCCAGCGCCCATCTGCCCGCACCTCTGCTTGCC
TTCTCGGGACTTGACCCAGGCCCTCCCCATCTGGCCTGCAGGGCCTGGATGACATCGGGTACATTGGA
TATCGGAGCTATAGCCCATATTCCAGCGCCGACTGGTCTCTTGACGCGCCTCTCTTCCGGGACTCAC
CCTTTGGGGACTTCCACCTTCAGCTTGGCCAGTCTCCTGCATATTCCACAGAGGCCCTCCGAACC
ACCTAGGGTCGTCGGCCAGATCCTAGCACCCGAGCCCTAGAGCCTCCCGCAGAGGATCATCGTGATGAG
GTGGTCTGAGGCAGAAGCCTCCAACGGGTGCAAGGTCCAGCTGACCCAGCAAGGCAGATGAACCTTG
GATTTGGTGATGAGTCCCAGAACCAGAGGCCAGAGGGAACGCCTGGGGAGGAAGGTAGCCCTCTGGC
CACTACGGAAGACTCGCTGGCTTCTATTCCCTTATTGACGAGCCACAGCCCAAGCATTGACCTTCAG
GCCAAGCATGTCCCTGCCTCCGAGTGGTCTCAGTGCCATGAACCTAGCCCTGTCTGGGAACAGGCC
CATCCTCGCAACCTTCACTTTTGCCTCAGCCGCCATTACTCCAGGACTGCAGCAGCATCAAGGCAGG
CCGCCGTTCTCTACCTGCTGGCCATCACCACGGAGCGCTCCAAGTCTGTGACGATGGACTGAACACC
TTCCGGGATGAGGGCCGAGTGTCCGGCGCCTTCCAGCCGGGTGCCAGCCTACGAGTGTGCGGAGCT
TCTTACGGACGGGTCTCTAGATAGCTGGGGCACCTCTGAAGATGCTGATGCCCCCTCTAAACGACACTC
AACCTCTGACCTCTCAGATGCAACCTTCAGTGATATCAGGAGAGAAGGCTGGTTGTATTATAACAGATC
CTCACCAAGAAGGGGAAGAAAGCGGGCGCGGCTGCGCCAGTGGAAGCGCTCTATGCCGTCCTGCGGG



CGCGCTCGCTCTCGTTGAGCAAGGAGCGCGGGAGCCCGGGCCGGCGGCTGCGGGGGCTGCGGCGGCCGG
 CGCAGGTGAGGACGAGGCGGCCCGCTCTGCATCGGCTCCTGCCTGGTGACATCTCCTACAGCGAGACC
 AAAAGGAGGCACGTGTTCCGGCTGACCACCGCTGACTTCTGTGAATATCTTTTCAGGCTGAGGATCGGG
 ATGACATGCTGGGCTGGATCAGAGCGATCCGGGAGAACAGCAGGGCCGAGGGCGAGGACCCCGGCTGTGC
 CAACCAAGCTCTGATCAGCAAGAAGCTTAATGACTATCGCAAAGTGAGCCATAGCTCTGGGCCCCAAGCC
 GATTCTCCCTAAAGGCTCTCGGGGCTGGGAGGCTCAAGTCTGAATTCCTCAAGCAGACTGCAGTCC
 GCGGCTCAGAAGTCAGGAGCAGCCCCAGGAAGCAAGGAAGACAGTGTGAGCTCCCAAAACCCCTG
 GGGCATCAATATTATCAAGAAGAACAGAAGGCCGCCCGAGGGCATTGGAATCCGGTTGGAGGAGTGC
 CAGCCTGCCACCGAGAACCAGCGTGTCCCCTGATCGTTGCTGCCTGCTGCCGTATTGTGGAGGCCCGGG
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 CAACCGTGGGCAAGTGACATCAACTGCAGGATGAGCGCTGGCAGGACCTCAATGTATCAGCAGCCTG
 CTCGAAGGCTTTCTCCGCAAGCTGCCGAGCCTCTTTTCACTGATGACAAATACAATGACTTCATCGAGG
 CCAATCGGATAGAAGATTCCAGGGAGAGGATGAAGACGCTGCGGAAGCTGATCCGGGATCTCCAGGACA
 CTACTATGAAACACTTAAATTCCTTGTGGCCATCTCAAGACCATTGCTGACCACTCAGAGAAGAACAAG
 ATGGAACCCCGAACCTGGCTCTGGTCTTCGGGCCAACATTGGTAAGGACATCTGAAGACAACATGACAG
 ACATGGTGACCCACATGCCGACCGCTACAAGATCGTGGAGACGTTGATCCAGCATTCTGACTGGTCTT
 CAGTGATGATGAGGACAAAGGAGAGAGAACCCTGTTGATGACAAGGAGCCACAGTCGGTGCCCAACATC
 GAGTACCTCCTGCCAACATTGGCAGGACAGTGCCCCCAGTGATCCAGGCTCAGATTCCACCACCTGTA
 GCTCAGCCAAGTCCAAGGTTCTGGGTCCCCAAGAAAGAGCCTTACGCCGGGAGATGCTGGCGATCTC
 CTTCACTCTCTGCGGTCAACCGCAAACGGAAGAAGCGCGGGAGGCGCGGGGCTGGGCAGCAGCACCCGAC
 GATGACTCCGAGCAGGAGGCGCACAAGGCTGCGGTGGGACGACGAGGACCCGAGGGGACAGTCCCGG
 GCCCGCGAGCGAGGAGGCCCTGTCGCCTCAGCCCCCTACGGCACCCGACGAACGGCTGCGGCGGA
 CACGCGCTCCATCGTCTCGGGTACTCCACCCTGTCCACCATGGACCGTAGCGTGTGCTCGGGCACCGGC
 GGGCGGCGCGCGGGCGCGGGCGACGAGGCGGACGACGAACGACGAGCTGAGCCACGTGGAGACGGACA
 CGGAGGGGGGCGCAGGCCCGGGGGGCGCCTGTGCGCGCCGGCCATCCTTCAGCTCACACCATCTCATGCC
 ATGCGACACTCTGGCAGCGCGTGCCTGTCTCGCAGCCGCGCGGAGGCCGAGGGTCCGGGCGCGGGTACG
 GCCCGGGCGTGTCCCGCGGTCCGGAGCCACCGGGCTCGGCATCGTCCAGCAGCCAGGAGTCTGTCGCGC
 CCCCAGGCGCGCGCCCGGCACTCGGCTCAGGACCTTCGCGCGTGGAAGCCCTGCGGCTACGTCTCCGTGG
 CACCGCGCAGCAGATGCTGGCGTGCAGGCTGCGGCGCCCACTGTGCGCCGAGACGCGGCGCGCGGAGT
 AGCTGGCGCGCCACACAGTGGTGGTGCAGAGCCGCTGACCGACCTCAACTTCAACGAGTGAAGGAGC
 TGGGTGGAGGGGGCCCTCAGGAGTCCGTGGGCGTGCAGCCGACAGCGACAATAAGGACTCTGGCCTCAG
 CAGCCTGGAGTCCACCAAGGACGGGCTCATCCGCCGCATCACTGCCATCTGGGGACCTAGGGGCCCTG
 CAGGGTCTGCCCCAGCGCGCTCAGCTGCCGCCGCTCCACCAAGTGTCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_021493

Insert Size:

3834 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_021493.2, NP_067468.2</u>
RefSeq Size:	5450 bp
RefSeq ORF:	3834 bp
Locus ID:	58996
UniProt ID:	<u>Q69ZH9</u>
Cytogenetics:	11 D
Gene Summary:	GTPase activator for the Rho-type GTPases by converting them to an inactive GDP-bound state.[UniProtKB/Swiss-Prot Function]