

Product datasheet for MR218696

Arhgap5 (NM_009706) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap5 (NM_009706) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arhgap5
Synonyms:	p190-B; p190B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218696 representing NM_009706 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGGCAAAAAACAAAGAGCCTCGACCCCATCTTATACTGTCAGTGTAGTTGGACTCTCTGGGACTG
AAAAAGACAAAGGAACTGTGGAGTTGGAAAATCTTGTGGTGAATAGATTTGTACGTTCAAAGCAGA
TGAATATTATCCAGAGCATACTTCTGTGCTTAGCACCATTGACTTTGGAGGCCGAGTAGTAAACAATGAT
CACTTTTTATACTGGGGTACATAACACAAAATGGTGAAGATGGTGTAGAATGCAAAATTCATGTCATTG
AACAAACAGAGTTCATTGATGACCAGACTTTCTTGCCTCATCGAAGTACAAATTTGCAACCATATATAAA
ACGTGCAGCTGCCTCAAATTCAGTGCAGCAGAAAACTAATGTACATTTGTACCGATCAGCTAGGCTTG
GAGCAAGACTTTGAACAGAAGCAATGCCTGAAGGAACTCAATGTAGATGGATTTTTATTGTGTATTG
ATGTGAGTCAAGGATGTAATAGGAAGTTTGTGATCAACTTAAATTTGTGAATAACCTTTTTGTCCAGCT
ATCAAAATCCAAAAGCCTGTGATAATAGCAGCAACTAAATGTGATGAATGTGTGGATCATTACCTTAGA
GAAGTTCAAGCCTTTGCCTCAAACAAAAGAATCTTCTAGTAGTGAAACATCAGCACGATTTAATGTCA
ACATTGAGACATGTTTCACTGCTTTGGTACAAATGTTGGATAAACTCGTGGCAAACCTAAAAATTATCC
CTATCTGGATGCTTATAAAACACAGAGACAACCTGTTGTACAGCAACAGACAAGTTTAAAAAATCATCTGATTAG
CAGACTGTGAGAGATTATCATGCAACTTGGAAAACCTGTTAGTAATAAATTAATAAATCATCTGATTATG
AAGAATATATCAACTTAGAGGGAACAAGAAAGGCCAGAAATACATTCTCAAAGCATATAGAGCAACTCAA
ACAGGAACATATAAGAAAAGGAGAGAAGAATATAAAGTACCTTACCAAGGGCTTTTAATACTCTCTTG
CCAGATCTAGAAGAGATTGAACATTTGAATTTGGTGGAAAGCTTTGAAGTTAATGGAAAAGAGAGCAGATT
TCCAGTTATGTTTTGTGGTGCTAGAAAAACACCTTGGGATGAACTGACCATATAGACAAAATTAATGA
TAGACGGATCCCATTGACCTTCTGAGCACTTTAGAAGCAGAAAAAGTCTATCAAACCATGTACAACAT
CTGATATCAGAGAAAAGAAGAATAGAAATGAAGGAGAAATTCAGAAGACTTTAGAAAAAATTCAGTTCA
TTTCACCTGGGCAGCCATGGGAGGAAGTTATGTGTTTTGTGATGGAGGATGAAGCATTCAAATACATCAC
TGAGGCTGATAGCAAAGAAGTATATGGTAGGCATCAGCGAGAGATAGTAGAAAAAGCCAAAGAAGAGTTT



[View online >](#)

CAGGAAATGCTTTTTGAGCATTCTGAACTTTTTATGATTTAGATCTTAATGCAACACCAAGTTCTGATA
 AAATGAGTGAAATTCATACCGTTCTAAGTGAAGAACCTAGATATAAAGCTTTACAGAAACTTGCACCTGA
 TAGAGAATCTCTTCTACTTAAGCATATAGGATTTGTTTATCATCCCACTAAAGAAACATGCCTCAGTGCC
 CAATATTGTACAGACATTAAGTGGAAAATTTACTTGCCACTAGTCTATTAGAGATGGATCATAACCGCG
 TACGCTTGATCATGATAGTACCAATATAGACAAAATTAATCTTTTCATTTTAGGGAAAGATGGCCTTGC
 CCAGGAACTAGCAAATGAGATAAAGGACTCAATCCACTGATGATGAGTATGCCTTAGATGGAAAAATTTT
 GAACCTGATCTTCGGCCTGTTGATGCCAAATCGCCTTACATTTTGAGTCAGCTATGGACTGCAGCCTTTA
 AACACATGGGTGCTTCTGTGATTCAATTCCATCGAGTCACTGAGTTTTATTGGAGAATTTATTGGAAA
 AATAAGAACCGAAGCATCTCAGATCAGAAAAGATAAAATATATGACTAATCTTCCATTTACATTAATCTT
 GCTAATCAGAGGGATTCCATTAGTAAAAATCTACCAATCTCAGGCACCAGGGTCAGCAGTTGGCCAACA
 AATTGCAGTGTCTTTTGTAGACGTACCTACTGGTACATATCCTCGTAAATTTAATGAATCACAATAAA
 GCAAGCTCTAAGAGGAGTATTGGAATCAGTTAAACACAATTTAGATGTGGTGAGCCAGTTCCTATCAAT
 AAGGATGTGTGAGAAGCTGACTTGAGAATTGTCATGTGTGCCATGTGTGGCGATCCATTTAGTGTGGATC
 TCATTTTACCTTTTCTTGTACTCTATTCTTGCAGTGTGCTCAAGCTGGACAGAATAATTTCTTAAT
 GCTTGACAAAATTTATTGGTGAAAAAGGAGGCGAATACAGATCACAATTTGTCATACCCTCCTCAATT
 GGAGTAAGAAAAGATGAACTGGTTCATGGGTATATATTAGTTTATTCTGCAAAAAGGAAAGCATCAATGG
 GAATGCTTCGTGCATTTCTATCAGAAGTCAAGATACTATTCTGTACAACCTGGTGGCAGTTACTGACAG
 TCAAGCTGATTTCTTTGAAAATGAGGCTATCAAGGAGTTAATGACTGAAGGAGAACACATTGCAACTGAG
 ATAACCGCTAAATTTACAGCATTATATTCTTTATCTCAGTATCATAGGCAAACTGAGGTTTTTCACTTTGT
 TTTTTCAGTGATGTTCTAGAGAAAAAATATGATAGAAAATTCCTATTTGTCTGATAATACAAGGGAATC
 CACTCATCAGAGTGAAGATGTTTTCTACCGTCTCCAAGAGACTGTTTTCCCTATAACAACCTACCCTGAT
 TCAGATGATGACACAGAAGCACCACCTCCATATAGTCCAATTGGAGATGATGTACAGTTGCTTCCAACAC
 CTAGTGACCGTTCCAGATACAGGTTAGATTTGGAAGGAAATGAGTATCCTGTTTCATAGCAGTCCAAATG
 TCACGATCATGAACGTAACCATAAAGTGCTCCACCTATTAAACCTAAACCAAGTTGTACCTAAAACAAAT
 GTGAAAAAAGTGGATCCAACCTTTTTAAAAACAATTGAAGCTGGTATTGGTAAAAATCCAAGAAAACAGA
 CTTCCCGGGTGCCTTTGGCACATCCTGAAGATATGGATTCTTCAGATAACTATGTGGAACCCCTTGACAC
 AATTTTCAAGCAGAAGGGCTATTCTGATGAGATTTATGTTGTCCCAGATGATAGTCAGAATCGAATTATT
 AAAATTCGAAACTCATTGTAAATAACACTCAAGGAGATGAAGAAAATGGGTTTTCTGATAGAACCTCAA
 AAGGTCATGGAGAGCGTAGGCCCTCAAATATAAATAAATCTAAAACCTTGTAGTAAAGCCAAGTC
 ATACTACAGAAGAACACACTCAGATGCAAGCGATGATGAGGCTTCACTACTTCCAAAACAAAAAGAAAA
 GGAAGACATCGTGAAGTGAAGAAGATCCACTACTGTCTCCTGTTGAAACTTGGAAAGGTGGTATTGATA
 ATCCTGCAATCAGATCTGACCAGGAGGTAGATGATAAGAAGATAAAGAAGAAAACCCACAAGTAAAGGA
 AGATAAAAAGCAGAAAAAGAAAATAAGACCTTCAACCCACCAACACGTAGAAAATGGGAAAAGTAATTAC
 TTTGGGATGCCCTCCAGGATCTGGTTACAGCTGAGAAGCCTATACCCTATTTGTTGAAAAATGTGTGG
 AATTTATTGAAGACACAGGATTATGACTGAAGGACTATACCGTGTAGTGGAAAATAAAGTATGATCAAGA
 CAACATTCAAAAGCAGTTTGTCAAGATCATAATCAATCTAGCATCAATGGAAGTGACAGTCAATGCT
 GTAGCTGGAGCTCTCAAAGCTTCTTTGCTGACCTGCCGATCCTTTGATTCCATATTCACTCCACCCAG
 AGCTATTGGAAGCAGCAAAAATCCAGATAAAAACAGAGCGCTTTCATGCCTTGAAGAAAATGTTAAGAA
 ATTTTCATCCTGTAACCTATGATGATTTAGATATGTGATAACACATCTAAACAGGGTTAGTCAGCAAAAT
 AAAATCAACCTAATGACAGCAGACAATTTCCATCTGTTTTTGGCCAACCTTGTGAGACTGATTTTGT
 AAAATCGAGAGTTTCTGTCTACCACTAAAATCCATCAATCTGTCGTTGAAACATTTATTCAACAGTGCCA
 GTTTTTCTTTTACAATGGAGAAATGTAGAAAATGCGAACAAGTGGCTCCTCCACCTACTTCAAATCCA
 GGACAATTGGTAGAATCAATGGTACCCTTCAAGTGGCCACCATTGCAACCTCAGCTAATTCAACCAC
 AATTGCAGACAGATCCTCTTGGTATTATA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR218696 representing NM_009706
 Red=Cloning site Green=Tags(s)

MMAKNKEPRPPSYTVSVVGLSGTEKDKGNCVGVKSCLCNRFVRSKADEYYPEHTSVLSTIDFGGRVNVND
 HFLYWGDITQNGEDGVECKIHVIEQTEFIDDQTFLEPHRSTNLQPYIKRAAASKLQSAEKLMYICTDQLGL
 EQDFEQKQMPPEGLNVDGFLLCIDVSGCNRKFDDQLKFVNNLFVQLSKSKPKVIAATKCDECVDHYLR
 EVQAFASNKKNLLVVETSARFNVNIETCF TALVQMLDKTRGPKIIPYLDAYKTQRQLVVTATDKFEKLV
 QTVRDYHATWKTYSNKLKNHPDYEEYINLEGRKARNTFSKHIEQLKQEHIRKRREEYISTLPRAFNTLL
 PDLEEIEHLNWLEALKLMEKRADFQLCFVVELEKTPWDETDHIDKINDRRIPFDLLSTLEAEKVYQNHVQH
 LISEKRRRIEMKEKFKKTKLEKIQFISPGQPWEEVMCFVMEDEAFKYITEADSKEVYGRHQREIVEKAKEEF
 QEMLFEHSELYDLNLATPSSDKMSEIHTVLSEEPYKALQKLAPDRESLLLKHIGFVYHPTKETCLSG
 QYCTDIKVENLLATSLLEMDHNRVRLYHDSTNIDKVNLFILGKDGLAQELANEIRTQSTDDYEALDGKIY
 ELDLRPVDAKSPYILSQLWTAAFKPHGCFVFNSEISLSEFGEF IGKIRTEASQIRKDKYMTNLPFTLIL
 ANQRDSISKNLPILRHQGQQLANKLQCPFVDVPTGTYPKRFNSESQIKQALRGVLESVKHNLDDVSPVPI
 KDVSEADLRIVMCAMCGDPFVVDLILSPFLDSHSCSAAQAGQNNLMLDKIIGEKRRRIQITILSYHSSI
 GVRKDELVHGYILVYSAKRKASMGMLRAFLSEVQDTIPVQLVAVTDSQADFFENEAIKELMTEGEHIATE
 ITAKFTALYSLSQYHRQTEVFTLFFSDVLEKKNMIENSYLSDNTRESTHQSEDFVLPSPRDCFPYNNYPD
 SDDDEAPPYPISIGDDVQLLPTPSDRSRVRLDLEGNEYVHSTPNCHDHERNHKVPPIKPKPVVPKTN
 VKKLDPNLLKTIIEAGIGKNPRKQTSRVPLAHPEDMSSDNYVEPLDTIFKQKGYSDIYVVPDSSQNRII
 KIRNSFVNNTQGDEENGFSRDTSKGHGERRPSKYKYSKTLFSAKSYRRTHSDASDDEAFTTSKTKRK
 GRHRGSEEDPLLSPVETWKGIDNPAITSDQEVDDKKIKKTHKVKEDKKQKKTKTFNPPTRRNWEVSNY
 FGMPQLDLVTAEKPIPLFVEKCEVEFIEDTGLCTEGLYRVSGNKTDQDNIQKQFDQDHNINLASMEVTVNA
 VAGALKAFFADLPDPLIPYSLHPELLEAAKIPDKTERFHALKEIVKKFHPVNYDVFYRVIITHLNRVSOQN
 KINLMTADNLSICFWPTLMRPDFENREFLSTTKIHQSVVETFIQQCQFFFYNGEIVETANTVAPPPTSNP
 GQLVESMVPLQLPPPLQPLIQQLQTDPLGII

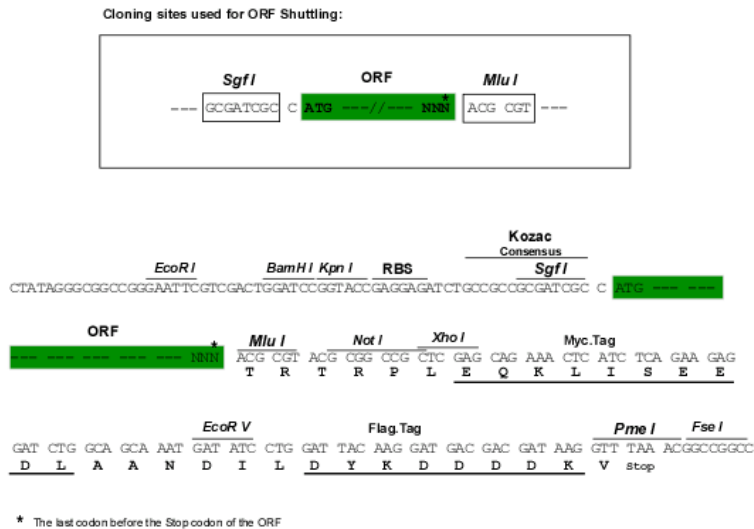
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9049_c10.zip

Restriction Sites:

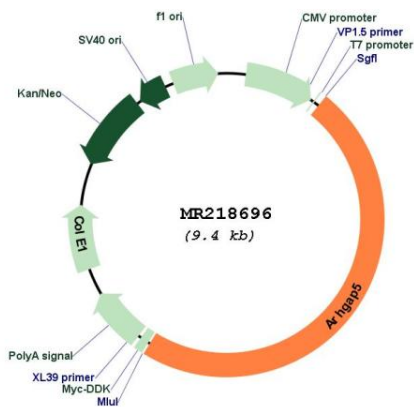
SgfI-MluI

Cloning Scheme:

ACCN:

NM_009706

ORF Size:	4509 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_009706.2 , NP_033836.2
RefSeq Size:	5197 bp
RefSeq ORF:	4512 bp
Locus ID:	11855
Cytogenetics:	12 22.16 cM
MW:	172.9 kDa

Product images:



Circular map for MR218696