

Product datasheet for **RR210487**

Arhgap1 (NM_001107747) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arhgap1 (NM_001107747) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Arhgap1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR210487 representing NM_001107747
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCCTCTCTCAGAAGTGAAGATGACCTGACCTGGATGATACCAGCCAAGCCTGAACCAGTTGA
AGCTGGCCTCTATTGATGAGAAGAACTGGCCTTCTGATGAAATGCCAGACTTTCCCAAGTCAGATGACTC
AAAAGCAGCTCTCCAGAAGCTGTACACACCTGAAGTGGGATGACCTTACTACGACATTGCCAGGCAC
CAGATTGTGGAAGTGGCAGGTGATGATAAGTACGGCGGAAGATAATTGTATTTAGTGCTTGCCGGATGC
CCCCAGCCACCAGCTGGACCACAGCAAGCTCTTGGGGTACTTGAACACACACTGGACCAGTATGTGGA
AAGTGACTACACACTCCTGTACCTGCACCATGGCCTGACCAAGTGAACAAGCCCTCCCTCAGCTGGCTA
CGGGATGCCTACCGAGAGTTTGACCGCAAGTACAAGAAGAACAATCAAGGCTCTGTACATTGTGCCCAA
CCATGTTTCATCAAACTCTGCTTATCCTCTTAAAGCCCTCATCAGTTTCAAGTTTGACGGAAGATCTT
CTATGTGAATTACCTGAGTGAGTTAAGCGAGCACGTGAAGCTGGAGCAGTTGGGGATCCCTCGCCAAGTG
CTCAAGTATGATGACTTCTCAAGTCCACCCAGAAGAGCCCTGCAACAGCTCCCAAGCCCATGCCACCAC
GGCCCCCTGCCTAATCAGCAATTTGGGGTCTCGTTACAGCACCTCCGGGAGAAAAACCGAACCAGGA
GCCCATCCCCATTGTGCTCAGGGAGACAGTCGCCCTACTTGACGGCGCACGCTCTCACCGCCGAGGGC
TTCCGGAGGTCTGCCAACCCAGGTAGTAAGAGAAGTGACGAGAAATACAATATGGGGCTGCCAGTGG
ACTTTGACCAGTACAATGAGCTGCACCTGCCAGCCGTCATACTCAAGACATTCTTCCGGGAGCTTCTG
ACCCTTGCTAACCTTTGACCTCTACCCACATTTGTGGGCTTCTCGATCTTGATGACGACCAGAGAGTG
GAGGTAACACAGCAGGTTCTCCAACTCTGCCAGAGGAGAAGTACCGGTAAGTCACTTCTGACTGCCT
TCCTTGACAGGTATCTGCCACTCTTACCAGAACAGGATGAATAACACTAACCTGGCTGTGGTCTTCGG
CCCTAACCTGCTGTGGGCTAAGGATGCTGCCATCACCTCAAGGCCATTAATCCCATCAACACCTTCACT
AAATTCCTCCTGGATCATCAAGGGGAATTGTTCCCGCAGCACAGATGCCCGGGGGT

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA**



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Protein Sequence: >RR210487 representing NM_001107747
 Red=Cloning site Green=Tags(s)

MDPLSELQDDLTLDDTSQALNQLKLASIDEKNWPSDEMPDFPKSDDSKSSSPEPVTHLKWDDPPYYDIARH
 QIVEVAGDDKYGRKIIVFSACRMPPSHQLDHSKLLGYLKHTLDQYVESDYTL LYLHHGLTSDNKPSLSWL
 RDAYREFDRKYKNIKALYIVHPTMFIKTL LILFKPLISFKFGRKIFYVNYLSELSEHVKLEQLGIPRQV
 LKYDDFLKSTQKSPATAPKMPPRPPLPNQQFGVSLQHLREKNPNQEPIPIVLRVAYLQAHALTAEGI
 FRRSANTQVVREVQKYNMGLPVDFDQYNELHLPVILKTFRLRELPELLTFDLYPHIVGFLDLDLDDQRV
 EVTQQVLQTLPEENYRVLHFLTAFLVQVSAHSYQNRMNNTNLAVVFGPNLLWAKDAAITLKAINPINTFT
 KFLLDHQGELFPSTDAQGV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

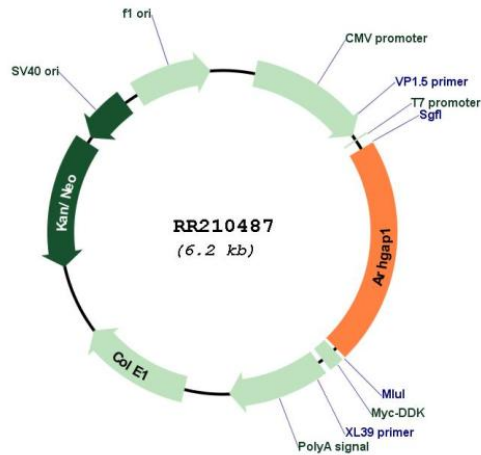
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001107747
ORF Size:	1317 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_001107747.2 , NP_001101217.2
RefSeq Size:	2894 bp
RefSeq ORF:	1320 bp
Locus ID:	311193
Cytogenetics:	3q24
MW:	50.6 kDa