

Product datasheet for MR212026

Arap3 (NM_139206) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arap3 (NM_139206) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Arap3
Synonyms: Centd; Centd3; cnt-d3; DRA; Drag1; E030006K04Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR212026 representing NM_139206
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGCCCTCAGGACCTGGACATCGCTGTGTGGTTGGCCCTGGTGCATCTGGAGCAGTATGCGGACA
 CTTTCCGACGGCATGGCCTAGCTACAGCTGGTGCGCCCAACACCTGGGCCACGAGGAGCTGAGGCACTT
 GGGCATCAGTGCTACAGGACACCGAAACGCATCTTGCCTGTTCGGGGCAGGCTCTGCTGAGGGTTTC
 CTGGATTCTCATCTGGATAATACCATGGAGCCAACTCCCAGCCCAGCCCCTGATGCCCAACCCCCAAGC
 CTGTGCCTAAGCCAGGACGGTGTGGGCTCAGCAACCTGCCACTGCCAGAGGCTGGACTGAGCCC
 AATCTTCTGGGATCCAGAAGTATCCAGGAACCTCAGAGTGTACGCAAAGATCCTCTCCTCTCCTTCCCTCC
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 TAAGAGGTCGGGCCAGGACAGCTCAGGACGTGACTCCAGATAGTTCTCAGGCGACTGTCCCAACCCCTGC
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 GTCGAAGCTTCGATCTGCTCACACCCATCGCTGCTTCAGCTTACAGCCGAGTCTGGGGGGCTCGACA
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TGGTCCAACCCGGCAAACCCGGCATTGTGCGGACTGCAGGGCCTCCCGCCGGATTGGGCTGCCGTCAACC
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 GCACGAGGGTCCCTAGAGGAACAGCTGCTTCAAGAACTCAACAACCTCATCTGAGGAAAGGAGAGCCTG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR212026 representing NM_139206
Red=Cloning site Green=Tags(s)

MAAPQDLDIAVWLALVHLEQYADTFRRHGLATAGAAQHLGHEELRHLGISATGHRKIRILRLLRAGSAEFG
 LDShLDNTMEPTSPAPDAQPPKVPKPRTVFGLSNPATAQRPGLSPIFDWPEVSRNSECTQRSSPLLPS
 SSEQPSVPNTMEMMPNAIYFGLDLRGRAQAAQDVTDPSSQATVPTAFRPTTGTVHIMDPGCLYYGVQPV
 GIPGASDRRDGRGVCQERAHRQDLETREDAGYASLELPGDSILSLPTQDAETSDDLISPYASFSSSTADR
 PVPLLSGWLDKLSQGNVYVQRRFVQFNGRSLMYFGSDKDPFPKGVIPLTAIEMTRSSKDNKFQVITGQR
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 SRGDIP.IIVDACISFVTQHGLRLEGVYRKGGARARSLRLLAEFRRDARSVKLRPREHFVEDVDTLKRFF
 RELDDPVT SARLLPRWREAAELSQKNQRLEKYKEVISCLPRVNRRTLATLIGHLYRVQKCASLNQMCTRN
 LALLFAPSVFQTDGRGEHEVRVLQELIDGYISVFDIDSQAAQIDLEVSLITTWKDVQLSQAGDLIMEVY
 IEQQLPDCNVTLKVSPTLTAEELTNQVLEMRGAASGTDLWVTFEILEHGELERPLHPKEKVLQALQWCQ
 LPEPCSASLLLRKVSMAHAGCLFTGVRRESRVLGRLRCREEPPRLGNRFQERFLVYRGRCLLLKKEKS
 SKPEREWSLEGAKVYLGIRKCLKPPTLWGFTLILEKMHLCSCMDEEEMWDWTTSLKAQHDDQSVVLR
 RRSDDLARQKFGTMPLLPiRGDDSGATLLSANQTLRRLHNRRTL SMFFPMKSPQGSVEEQDELEEPVYE
 EPVYEEVGAFPELTKDITFSSTWEWSAKSDPSLTSQRSFDQPPLSKASMLGHEERIPDPPPGPPSSSQ
 ARGSL EEQLLQELNLLILRKGEPA SCPESSSQPTSPQAPSP TSLPTPTPSLTPQPCTSNPPSSQPLT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9048_h03.zip

Restriction Sites: SgfI-MluI

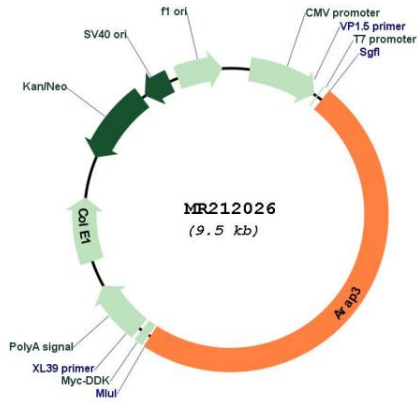
Cloning Scheme:



ACCN: NM_139206

ORF Size:	4614 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_139206.2 , NP_631945.2
RefSeq Size:	5266 bp
RefSeq ORF:	4617 bp
Locus ID:	106952
UniProt ID:	Q8R5G7
Cytogenetics:	18 B3
MW:	170.2 kDa
Gene Summary:	This gene encodes a phosphoinositide binding protein containing ARF-GAP, RHO-GAP, RAS-associating, and pleckstrin homology domains. The ARF-GAP and RHO-GAP domains cooperate in mediating rearrangements in the cell cytoskeleton and cell shape. It is a specific PtdIns(3,4,5)P3/PtdIns(3,4)P2-stimulated Arf6-GAP protein. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2015]

Product images:



Circular map for MR212026