

Product datasheet for **RR206455**

Arl4a (NM_019186) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arl4a (NM_019186) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Arl4a
Synonyms: Arl4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206455 representing NM_019186
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGAATGGACTGTCAGACCAGACTTCCATCCTATCCAGCCTGCCGTCCTTTTCAGTCCTTTACATTG
 TTATTCTGGGTTTGGACTGTGCTGGAAAGACAACAGTTTTATACAGGCTGCAGTTCAACGAATTTGTAA
 TACTGTACCTACCAAAGGATTTAACTGAGAAAATTAAGTAACCTTGGCAATTCAAAACAGTCACT
 TTTCACTTCTGGGATGTAGGTGGTCAAGAGAAAATTAAGACCAGTGTGGAAGTCATATACCGATGCACAG
 ATGGCATTGTGTTTGTGGTGGACTCTGTTGATGTTGAGAGAATGGAAGAAGCCAAAACACTGAACCTCATAA
 AATAACTAGGATATCAGAAAATCAGGGAGTCCCTGTGCTTATTGTTGCTAACAAACAAGACCTGAGGAAC
 TCACTCTCTCTCAGAGATCGAGAAGTTGTTAGCAATGGGTGAAGTGAAGTCACTCGACTCCTTGGCATT
 TACAGCCCACCTGTGCAATCATAGGAGATGGGCTAAAGGAAGGACTTGAGAACTACATGATATGATAAT
 TAAAAGAAGAAAAATGTTGCGGCAACAGAAAAAGAAGAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR206455 representing NM_019186
 Red=Cloning site Green=Tags(s)

MGNLSDQTSILSSLPSFQSFHIVILGLDCAGKTTVL YRLQFNEFVNTVPTKGFNTEKIKVTLGNSKTVT
 FHFWDVGGQEKLRPLWKS YTRCTDGI VVVDVVERMEEAKTELHKITR ISENQGVPLIVANKQDLRN
 SL SLSEIEKLLAMGELSSSTPWHLQPTCAIIGDGLKEGLEKLHDMIKRRKMLRQQKKR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

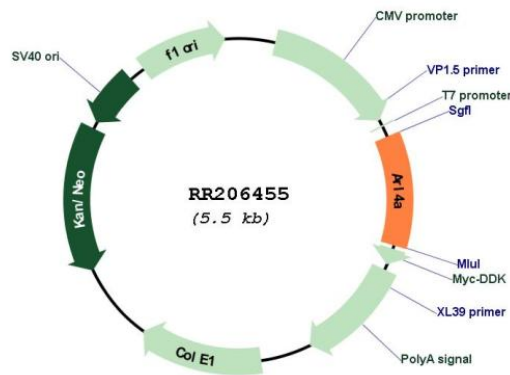


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Cloning Scheme:



Plasmid Map:



ACCN: NM_019186

ORF Size: 600 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:

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_019186.1](#), [NP_062059.1](#)

RefSeq Size: 1067 bp

RefSeq ORF: 603 bp

Locus ID: 29308

UniProt ID: [P61214](#)

Cytogenetics: 6q21

MW: 22.6 kDa

Gene Summary: may play a role in GTP binding and hydrolysis [RGD, Feb 2006]