

Product datasheet for **RC232093**

ARL4 (ARL4A) (NM_001195396) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ARL4 (ARL4A) (NM_001195396) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ARL4
Synonyms: ARL4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC232093 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGAATGGGCTGTCAGACCAGACTTCTATCCTGTCCAACCTGCCTTCATTTTCAGTCTTTCCACATTG
 TTATTCTGGGTTTGGACTGTGCTGGAAAGACAAGTCTTATACAGGCTGCAGTTCAATGAATTTGTAAA
 TACCGTACCTACCAAAGGATTTAACTGAGAAAATTAAGGTAACCTTGGGAAATTTCAAACAGTCACT
 TTTCACTTCTGGGATGTAGGTGGTCAAGAGAAAATTAAGGCCACTGTGGAAGTCATATACCAGATGCACAG
 ATGGCATTGTATTTGTTGTGGACTCTGTTGATGTCGAAAGGATGGAAGAAGCCAAAACCTGAACCTCACAA
 AATAACTAGGATATCAGAAAATCAGGGAGTCCCTGTACTTATAGTTGCTAACAAACAAGATTTGAGGAAC
 TCATTGTCACTTTTCAGAAATTGAGAAATGTTAGCAATGGGTGAAGTCACTCACTCACTCCTTGGCATT
 TGCAGCCTACCTGTGCAATCATAGGAGATGGCCTAAAGGAAGGACTTGAGAAAACATGATATGATCAT
 TAAAAGAAGAAAATGTTGCGGCAACAGAAAAGAAAAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC232093 protein sequence
 Red=Cloning site Green=Tags(s)

MGNGLSDQTSILSNLPSFQSFHIVILGLDCAGKTTVL YRLQFNEFVNTVPTKGFNTEKIKVTLGNSKTVT
 FHFWDVGGQEKLRPLWKS YTRCTDGI VVVDSDVERMEEAKTELHKITRI SENQGVPLIVANKQDLRN
 SLSLSEIEKLLAMGELSSSTPWHLQPTCAIIGDGLKEGLEKLHDMIKRRKMLRQQKKR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



Chromatograms: https://cdn.origene.com/chromatograms/mk6365_a04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001195396

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_001195396.1](#), [NP_001182325.1](#)

RefSeq Size: 3209 bp

RefSeq ORF: 603 bp

Locus ID: 10124

UniProt ID: [P40617](#)

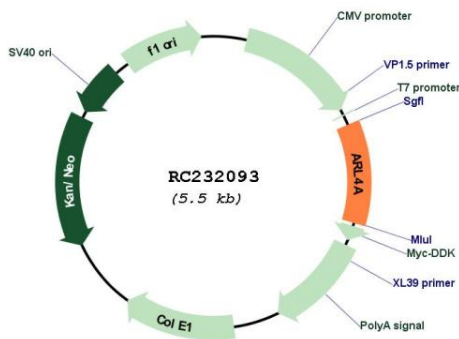
Cytogenetics: 7p21.3

Protein Families: Stem cell - Pluripotency

MW: 22.6 kDa

Gene Summary: ADP-ribosylation factor-like 4A is a member of the ADP-ribosylation factor family of GTP-binding proteins. ARL4A is similar to ARL4C and ARL4D and each has a nuclear localization signal and an unusually high guanine nucleotide exchange rate. ARL4A is located in both the nuclear and extranuclear cell compartments. Multiple transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC232093