

Product datasheet for SC302858

ARL4 (ARL4A) (NM 001037164) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: ARL4 (ARL4A) (NM 001037164) Human Untagged Clone

Tag: Tag Free
Symbol: ARL4A
Synonyms: ARL4

Mammalian Cell Neomycin

Selection:

Vector:

pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >SC302858 representing NM_001037164.

Blue=Insert sequence Red=Cloning site Green=Tag(s)

GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGATCATTAAAAGAAGAAAAATGTTGCGGCAACAGAAAAAGAAAAGA<mark>TGA</mark>

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT

TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: Sgfl-Mlul



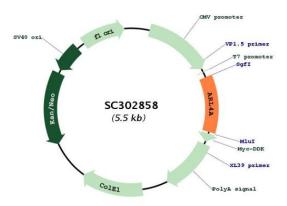
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Plasmid Map:



ACCN: NM_001037164

Insert Size: 603 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a

point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative

RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning

into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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.



ARL4 (ARL4A) (NM_001037164) Human Untagged Clone - SC302858

RefSeq: <u>NM 001037164.2</u>

 RefSeq Size:
 2986 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 guaninine 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]

Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. All four variants encode the same protein. Sequence Note: This RefSeq record was created from transcript and

genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript

alignments.