

## Product datasheet for **SC116541**

### **ARL4 (ARL4A) (NM\_005738) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ARL4 (ARL4A) (NM_005738) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARL4
Synonyms:	ARL4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116541 sequence for NM_005738 edited (data generated by NextGen Sequencing)

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ATGGGGAATGGGCTGTCAGACCAGACTTCTATCCTGTCCAACCTGCCTTCATTTCACTCT
TTCCACATTGTTATTCTGGGTTTGGACTGTGCTGGAAAGACAACCTGCTTATACAGGCTG
CAGTTCAATGAATTTGTAATACCGTACCTACCAAAGGATTTAACTGAGAAAATTAAG
GTAACCTTGGGAAATCTAAAACAGTCACTTTTCACTTCTGGGATGTAGGTGGTCAGGAG
AAATTAAGGCCACTGTGGAAGTCATATACCAGATGCACAGATGGCATTGTATTTGTTGTG
GACTCTGTTGATGTCGAAAGGATGGAAGAAGCCAAAACCTGAACTTCACAAAATAACTAGG
ATATCAGAAAATCAGGGAGTCCCTGTACTTATAGTTGCTAACAAACAAGATTTGAGGAAC
TCATTGCACTTTCAGAAATTGAGAAATGTTAGCAATGGGTGAACTGAGCTCATCAACT
CCTTGGCATTTCAGCCTACCTGTGCAATCATAGGAGATGGCCTAAAGGAAGGACTTGAG
AAACTACATGATGATCATTAAAAAGAAGAAAATGTTGCGGCAACAGAAAAAGAAAAGA
TGA
```

Clone variation with respect to NM\_005738.4



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_005738 unedited ATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGGCACCATCGCCCGCCAGGCG CCCAGTCTCTGCCATCGCCACGCCTCCCTGGTGCCAGGGAACAGGTATCAGCGCGCCT CCCCAGCGGCTGGGAGAGACGCTGAATGAAGAAGAGGGAAGGACGGTTAGTCAGTCTTAT AGCTGGATCAGCTACCAAGAGAAGTTCTAAACCAAGAAGAGAAAAGCATTTCATTTGGG ACATTTATTTGCACCTGGAAATGGGGAATGGGCTGTCAGACCAGACTTCTATCCTGTCCA ACCTGCCTTCAATTCAGTCTTTCCACATTGTTATTCTGGGTTTGGACTGTGCTGGAAAGA CAACTGTCTTATACAGGCTGCAGTTCAATGAATTTGTAATACCGTACCTACCAAAGGAT TTAACACTGAGAAAATTAAGGTAACCTTGGGAAATCTAAAACAGTCACTTTTCACTTCT GGGATGTAGGTGGTCAGGAGAAATTAAGGCCACTGTGGAAGTCATATACCAGATGCACAG ATGGCATTGTATTTGTTGTGGACTCTGTTGATGTCGAAAGGATGGAAGAAGCCAAAAGT AACTTCACAAAATAACTATGATATCAGAAAATCAGGGAGTCCCTGTACTTATAGTTGCTA ACAAAACAAGATCTGACGAACTATTGTCACCTTTCAGAAATTGAGATATTGCTAGCANTGG GTGAAGTGAAGCTCATCAACTCCTTGGCATTTCAGCCTACCTGTGNCATCATAGGAGATG GCCTANAGGGAAGACCTGAGATACTCATGATATGATCATTAAANAGAAAGAAAATGCTGCG GGGCACAGANAAAAGAAAGATGATTATCAGTACCCTANATTTNCTGNGTAGGAGTAGGGTT TNCTCTGGGTCTGATNTTGACAATAGAANAAGTGTCTACANCGTGGTTGGCCCTGTCTGC CCTCTGGATGCTATNAAAGCTTGNNTTGTGAACAATCAGATGCCCACTCTGTNGCCCT GG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_005738
<b>Insert Size:</b>	2760 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_005738.2</a></u> , <u><a href="#">NP_005729.1</a></u>
<b>RefSeq Size:</b>	3162 bp
<b>RefSeq ORF:</b>	603 bp
<b>Locus ID:</b>	10124
<b>UniProt ID:</b>	<u><a href="#">P40617</a></u>
<b>Cytogenetics:</b>	7p21.3
<b>Domains:</b>	RAS, RAB, SAR, ARF, arf

**Protein Families:** Stem cell - Pluripotency

**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]  
Transcript Variant: This variant (1) encodes the longest transcript. 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.