

Product datasheet for **SC116540**

ARL4C (NM_005737) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARL4C (NM_005737) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARL4C
Synonyms:	ARL7; LAK
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_005737 edited ATGGGCAACATCTCCTCTAACATCTCGGCCTTCCAGTCCCTGCATATCGTCATGTTGGGC TTGGACTCGGCCGCAAGACCACGGTGCTCTACCGGCTCAAGTTCAACGAGTTCGTGAAC ACGGTGCCCAACCATCGGCTTCAACACCGAGAAGATCAAGCTGAGCAACGGCACGGCCAAG GGCATCAGCTGCCACTTCTGGGACGTGGGCGGCCAGGAGAAGCTGCGGCCGCTGTGGAAG TCCTACAGCCGCTGCACGGACGGCATCATCTACGTGGTGGACTCGGTGGACGTGGACCGG CTGGAGGAGGCCAAGACGGAGCTGCACAAGGTGACCAAGTTCGCCGAGAACCAGGGCACG CCGCTGCTGGTCATCGCCAACAAGCAGGACCTGCCAAGTCGCTGCCGGTGGCAGAGATT GAGAAGCAGCTGGCGCTGCACGAGCTTATCCCGGCCACCACCTATCACGTCCAGCCGGCG TGCGCCATCATCGGCGAGGGCCTACCGAGGGCATGGACAAGCTCTATGAGATGATCCTG AAACGCAGGAAGTCCCTCAAGCAGAAGAAGAAGCGGTAA


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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_005737 unedited <pre> NCCCGTTCGGATATTTGTATACGACTCACTATAGGGGCGGCCGGAATTCGCACCAGGCG GGGCCCAGGTGCGCCCGGCCGCTCGGGCCCGTGAAGTCTCGGGGGGCGGCCCTCCCG CCGCAGCCGCACTGGCTGGCGCCGAGCCAGGAGCCATGGGCAACATCTCCTCTAACATC TCGGCCTTCCAGTCCCTGCATATCGTCATGTTGGGCTTGGACTCGGCCGCAAGACCACG GTGCTCTACCGGCTCAAGTTCAACGAGTTCGTGAACACGGTGCCCAACATCGGCTTCAAC ACCGAGAAGATCAAGCTGAGCAACGGCACGGCCAAGGGCATCAGCTGCCACTTCTGGGAC CTGGGCGGCCAGGAGAAGCTGCGGCCGCTGTGGAAGTCTACAGCCGCTGCACGGACGGC ATCATCTACGTGGTGGACTCGGTGGACGTGGACCGGCTGGAGGAGCCAAAGACGGAGCTG CACAAGGTGACCAAGTTCGCCGAGAACCAGGGCACGCCGCTGCTGGTCATCGCCAACAAG CAGGACCTGCCAAGTCGCTGCCGTGGCAGAGATTGAGAAGCAGCTGGCGCTGCACGAG CTTATCCCGGCCACCACCTATCAGTCCAGCCGGCGTGCGCCATCATCGGCGAGGGCCTC ACCGAGGGCATGGACAAGCTCTATGAGATGATCCTGAAACGCAGGAAGTCCCTCAAGCAG AAGAAGAGCGGTAAATGCGCCCGGAGCGACCGGNGAGCGAGCGAGTGCCTCAAGAAAGAAT GAATGGATGGATGGATGGTTGGATGGATGAATGGGATGACCGAGAACCCGCGCCCGC GACAAAGAGCGACCANAGCGATGCTTCGAAATTTAAACGGATCTCTGCACCAATGCA GNACTGTTGACTTAAGAGCTG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_005737
Insert Size:	2250 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).
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_005737.3 , NP_005728.2
RefSeq Size:	4024 bp
RefSeq ORF:	579 bp
Locus ID:	10123
UniProt ID:	P56559
Cytogenetics:	2q37.1
Domains:	RAB, SAR, ARF, arf

Gene Summary:

ADP-ribosylation factor-like 4C is a member of the ADP-ribosylation factor family of GTP-binding proteins. ARL4C is closely similar to ARL4A and ARL4D and each has a nuclear localization signal and an unusually high guanine nucleotide exchange rate. This protein may play a role in cholesterol transport. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) contains an additional internal segment which results in alternate stop codon compared to variant 1. The encoded isoform (2) has a shorter C-terminus compared to isoform 1.