

Product datasheet for **SC119093**

ARF4L (ARL4D) (NM_001661) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARF4L (ARL4D) (NM_001661) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARF4L
Synonyms:	ARF4L; ARL6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119093 sequence for NM_001661 edited (data generated by NextGen Sequencing)

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ATGGGGAACCACTTGACTGAGATGGCGCCCACTGCCTCCTCCTTCTTGCCTCCACTTCCAA
GCCCTGCATGTCGTGGTCATTGGGCTGGACTCTGCTGGAAGACCTCCCTCCTTTACCGC
CTCAAGTTCAAGGAGTTTGTCCAGAGTGTCCCCACAAAGGCTTCAACACCGAGAAGATC
CGGGTGCCCTCGGGGATCGCGTGGCATCACCTTCCAAGTGTGGGACGTCGGGGGCGAG
GAGAAGCTGCGACCACTGTGGCGCTTTATACCCGCCGGACAGACGGTCTAGTGTGTTGTG
GTGGACGCTGCGGAGGCTGAGCGGCTGGAGGAAGCAAGGTGGAGTTGCACCGAATCAGC
CGGGCCTCGGACAACCAGGGCGTGCCAGTGTGGTGTGGCCAACAAGCAGGACCAGCCC
GGGGCACTGAGCGCTGCTGAGGTGGAGAAGAGGCTGGCAGTCCGAGAGCTAGCAGCGCC
ACTCTCACTCATGTGCAAGGCTGCAGCGCTGTGGACGGTCTGGGCTGCAGCAGGGCCTT
GAGCGCCTCTATGAGATGATCCTCAAGAGGAAGAAGGCAGCTCGGGTGGCAAGAAGAGA
CGGTGA
```

Clone variation with respect to NM_001661.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001661 unedited
 ACGTTCGAATTTGTATACGACTCATATAGGCGGCCGNAATCGCACGAGGGCGCGGTGG
 GTGTCTGCGGGGGTCTCGCGGGGCGGCTGCGGTGTTTACCGGAAAGGCTCGAGGAGAG
 CGCGGCTCAGGAGATAACCCAGCTGTCTCCCTGGAACCTTCAATTTCAAGGCCTCCC
 TGCTCTACTAGGCGCCTTAGCTCACTATGGGGAACCACTTGACTGAGATGGCGCCCACT
 GCCTCCTCCTTCTTGCCCACTTCCAAGCCCTGCATGTCGTGGTATTGGGCTGGACTCT
 GCTGGAAAGACCTCCCTCCTTTACCGCCTCAAGTTCAAGGAGTTTGTCCAGAGTGTCCCC
 ACCAAAGGCTTCAACACCGAGAAGATCCGGGTGCCCTCGGGGATCGCGTGGCATCACC
 TTCCAAGTGTGGGACGTGCGGGGCGAGGAGAAGCTGCGACCACTGTGGCGCTTTATACC
 CGCCGGACAGACGGTCTAGTGTTTGTGGTGGACGCTGCGGAGGCTGAGCGGCTGGAGGAA
 GCCAAGGTGGAGTTGCACCGAATCAGCCGGGCTCGGACACCAGGGCGTGCCAGTGTGG
 TGCTGGGCCAACAGCANGACCAGCCGGGCACTGAGCGCTNGCTGAGTGGAGAAAGAGC
 TGGCAGTCCGAGAGCTAGCAGCCGCACTCTCACTCATGTCCAAGCTGCAGCGTGTGG
 ACGGTCTGGGCTGCAGCAGGCCCTGAGCGCNTATGAGATGATCCCTCCAGAGAAGAAG
 CAGCTCGGGGTGGCAAGAAGAGACGGTGACCCNAGCCCCCCTCCCTTNTCTCCCACCT
 AGTAGGGGTATTGCACACTTGAACAGCAGGGTGGGGACCCAGCCTGTGACCTCTCAGTCA
 GACTGGGGGTGCAGGAACCTGTCCANCTCAATGAANNANAGAGGAGCATGGNGTGTGCN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001661 unedited
 AGAACGTCCTAACATANNAATAAAATTATATATTTATTTTATATAAAAAATACAGAATAT
 TATTTCTTAATAACTTACAGGTAATGCTAAAAATAGTTAATAACAATAATACAGTAG
 GACACACACAGTTTATAAAAAGGGTTATGGATTTACAAATGTGGGAGGGGCTCTTGTA
 CTTTCACAGACTCAAAAATAAAACTATGTGACTGGTATTACTACAAAAGCATCCTGGGG
 AGACTACTAATTTGGTGGACACAGGAACGGCAGATAGATATTTTATCCACACACATTCT
 CCAAGTAACCTAACTTCCCTCCGCTCCACACACATTCAATTATAAATTCTTAGCCACAT
 AACAAAATTAATAACCCGGGCCAGGATCACCTCCATTTACATTCACACCTCGCCAGCT
 CCTGCTTACCCACTTTCTACACAGGATCACACACATCTGCCAAGACCTTTATCCTTC
 CATCCCTCACCTAACTGTATCCACAACGGAACCAACAATGCAATCTCTACTACCTTG
 CCGCTCCAGGCTTTGCACATTAACCTACACTGTAAGGTATCAGCTTGTTTTAACTTTAC
 CGCCACACAACCTAACTTCACTACGTGGTATGAAAGGTACGGGGACCCGATAACATC
 CACTCCCCCTTTTTCTCTTATATCCCCCTTCTTCTATATCCTCCCTTCCCCCCCC
 TCATCACATCTTCTCCCTCCACCCCTTTCCTCCCCCTCCTCCCTCCACATATACACC
 CCTCTTAAACTATACACCTCTACACCTCCCCACCTCAACATCTTCTTCTCTTATAA
 CATATACACCTATCACCAACCATATCTCCACTATCCACACTCCTTCTCCTTTTCC
 TCTTCTTCTTCTCACACCCGATTTATCTTCTTCTTCCACTCACCTCTGCCCTCCAT
 CGTTTCATCCCGCACTTCCCCCCCCCCCCCCCCAC

Restriction Sites:

NotI-NotI

ACCN:

NM_001661

Insert Size:

1390 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_001661.2](#), [NP_001652.2](#)

RefSeq Size: 1594 bp

RefSeq ORF: 606 bp

Locus ID: 379

UniProt ID: [P49703](#)

Cytogenetics: 17q21.31

Domains: RAS, RAB, SAR, ARF, arf

Gene Summary: ADP-ribosylation factor 4D is a member of the ADP-ribosylation factor family of GTP-binding proteins. ARL4D is closely similar to ARL4A and ARL4C and each has a nuclear localization signal and an unusually high guanine nucleotide exchange rate. This protein may play a role in membrane-associated intracellular trafficking. Mutations in this gene have been associated with Bardet-Biedl syndrome (BBS). [provided by RefSeq, Jul 2008]