

Product datasheet for **RC231016**

AIF1L (NM_001185095) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: AIF1L (NM_001185095) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: AIF1L
Synonyms: C9orf58; IBA2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC231016 representing NM_001185095
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGGCGAGCTCAGCAACAGGTTCCAAGGAGGGAAGGCGTTCGGCTTGCTCAAAGCCCGCAGGAGA
GGAGGCTGGCCGAGATCAACCGTACTGTGCAGGGAGGGAGCCGACGCTACAGAGGATTTTCATGTTCCCA
GCACAGCTGCTTGTGGCTCTGCTGTTTCAGGAGTTTCTGTGTGACCAGAAGTACAGTGTGAAGAGAAC
CTTCCAGAAAAGCTCACAGCCTTCAAAGAGAAGTACATGGAGTTTGACCTGAACAATGAAGCGAGATTG
ACCTGATGTCTTTAAAGAGGATGATGGAGAAGCTTGGTGTCCCAAGACCCACCTGGAGATGAAGAAGAT
GATCTCAGAGGTGACAGGAGGGGTGAGTACACTATATCCTACCGAGACTTTGTGAACATGATGCTGGGG
AAACGGTCTGGCTGCTCAAGTTAGTCATGATGTTTGAAGGAAAAGCCAACGAGAGCAGCCCAAGCCAG
TTGGCCCCCTCCAGAGAGAGACATTGCTAGCTGCC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231016 representing NM_001185095
Red=Cloning site Green=Tags(s)

MSGELSNRFQGGKAFGLLKARQERRLAENRYCAGREPQLQRISCSQHSCLLALLFQEFLCDQKYSDEEN
LPEKLTAFKEKYMFDLNNEGEIDLMSLKRMEKLGVPKTHLEMKKMISEVTGGVSDTISYRDFVNMMLG
KRS AVLKLVMMFEGKANESSPKPVGPPPERDIASLP

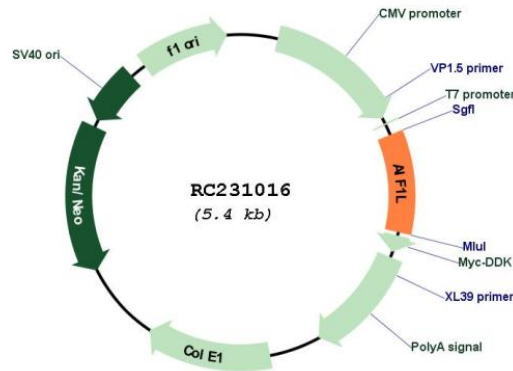
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001185095

ORF Size: 528 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:	<ol style="list-style-type: none">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:	<u>NM_001185095.1</u> , <u>NP_001172024.1</u>
RefSeq ORF:	531 bp
Locus ID:	83543
UniProt ID:	<u>Q9BQI0</u>
Cytogenetics:	9q34.12-q34.13
MW:	20.5 kDa
Gene Summary:	Actin-binding protein that promotes actin bundling. May neither bind calcium nor depend on calcium for function.[UniProtKB/Swiss-Prot Function]