

Product datasheet for **RC215825**

AIF1L (NM_031426) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: AIF1L (NM_031426) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: AIF1L
Synonyms: C9orf58; IBA2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC215825 representing NM_031426
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGGCGAGCTCAGCAACAGGTTCCAAGGAGGAAGGCGTTCGGCTTGCTCAAAGCCCGCAGGAGA
GGAGGCTGGCCGAGATCAACCGGAGTTTCTGTGTGACCAGAAGTACAGTGATGAAGAGAACCTCCAGA
AAAGCTCACAGCCTTCAAAGAGAAGTACATGGAGTTTGACCTGAACAATGAAGGCGAGATTGACCTGATG
TCTTTAAAGAGGATGATGGAGAAGCTTGGTGTCCCAAGACCCACCTGGAGATGAAGAAGATGATCTCAG
AGGTGACAGGAGGGTCACTGACTATATCCTACCGAGACTTTGTGAACATGATGCTGGGAAACGGTC
GGCTGTCCTCAAGTTAGTCATGATGTTTGAAGAAAAGCCAACGAGAGCAGCCCCAAGCCAGTTGGCCCC
CCTCCAGAGAGACATTGCTAGCTGCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC215825 representing NM_031426
Red=Cloning site Green=Tags(s)

MSGELSNRFQGGKAFGLLKARQERRLAEINREFLCDQKYSDEENLPEKLTAFKEKYMFDLNNEGEIDL
SLKRMMEKLGVPKTHLEMKKMISEVTGGVSDTISYRDFVNMMLGKRSVAVLKLVMFEGKANESSPKVPGP
PPERDIASLP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

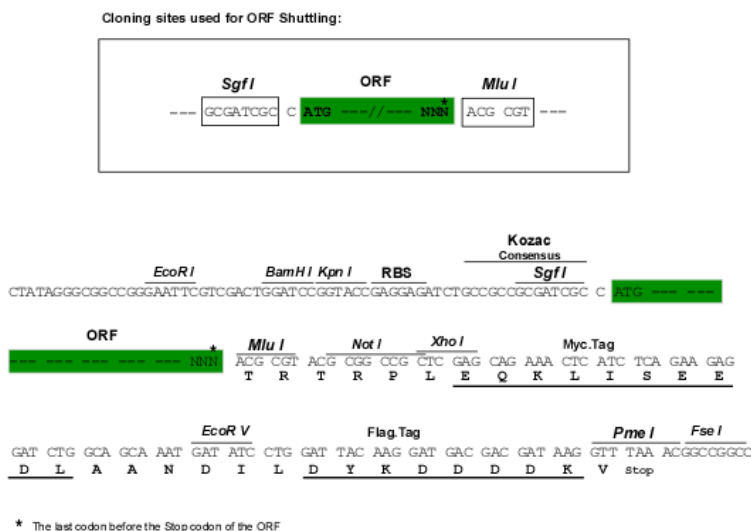
Chromatograms: https://cdn.origene.com/chromatograms/mk6484_a04.zip



[View online >](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_031426

ORF Size: 450 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:

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.

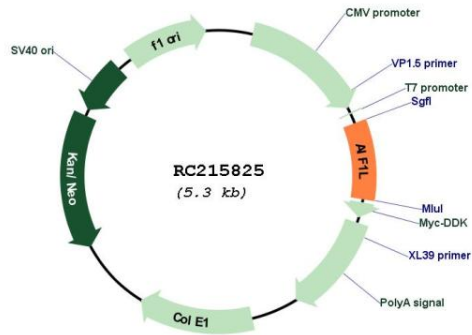
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_031426.4](#)

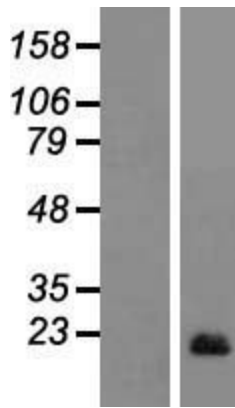
RefSeq Size: 3406 bp

RefSeq ORF: 453 bp

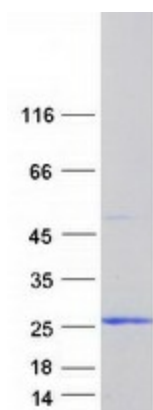
Locus ID: 83543
UniProt ID: [Q9BQI0](#)
Cytogenetics: 9q34.12-q34.13
MW: 16.9 kDa
Gene Summary: Actin-binding protein that promotes actin bundling. May neither bind calcium nor depend on calcium for function.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for RC215825



Western blot validation of overexpression lysate (Cat# [LY410536]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC215825 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified AIF1L protein (Cat# [TP315825]). The protein was produced from HEK293T cells transfected with AIF1L cDNA clone (Cat# RC215825) using MegaTran 2.0 (Cat# [TT210002]).