

Product datasheet for **SC107302**

AIF1L (NM_031426) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AIF1L (NM_031426) Human Untagged Clone
Tag:	Tag Free
Symbol:	AIF1L
Synonyms:	C9orf58; IBA2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC107302 sequence for NM_031426 edited (data generated by NextGen Sequencing)

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ATGTCGGGCGAGCTCAGCAACAGGTTCCAAGGAGGGAAGCGCTTCGGCTTGCTCAAAGCC  
CGGCAGGAGAGGAGGCTGGCCGAGATCAACCGGAGTTTCTGTGTGACCAGAAGTACAGT  
GATGAAGAGAACCTTCCAGAAAAGCTCACAGCCTTCAAAGAGAAGTACATGGAGTTTGAC  
CTGAACAATGAAGGCGAGATTGACCTGATGTCTTTAAAGAGGATGATGGAGAAGCTTGGT  
GTCCCAAGACCCACCTGGAGATGAAGAAGATGATCTCAGAGGTGACAGGAGGGGTCAGT  
GACACTATATCTACCGAGACTTTGTGAACATGATGCTGGGAAACGGTCGGCTGTCCCTC  
AAGTTAGTCATGATGTTTGAAGGAAAAGCCAACGAGAGCAGCCCCAAGCCAGTTGGCCCC  
CCTCCAGAGAGACATTGCTAGCCTGCCCTGA
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Clone variation with respect to NM_031426.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_031426 unedited TCCGACTCACTATAGGGCGGCCGCAATTCGCACGAGGCGGAGCCCGACCAGGCGCCT GTGCTCCTCCTCGTCCCTCGCCGCGTCCGCGAAGCCTGGAGCCGGCGGGAGCCCCGCGC TCGCCATGTGGGGCAGCTCAGCAACAGGTTCCAAGGAGGGAAGGCGTTCGGCTTGCTCA AAGCCCGCAGGAGAGGAGGCTGGCCGAGATCAACCGGAGTTTCTGTGTACCAGAAGT ACAGTGATGAAGAGAACCTTCCAGAAAAGCTCACAGCCTTCAAAGAGAAGTACATGGAGT TTGACCTGAACAATGAAGGCGAGATTGACCTGATGTCTTTAAAGAGGATGATGGAGAAGC TTGGTGTCCCAAGACCACCTGGAGATGAAGAAGATGATCTCAGAGGTGACAGGAGGGG TCAGTGACACTATATCCTACCGAGACTTTGTGAACATGATGCTGGGAAAACGGTCGGCTG TCCTCAAGTTAGTCATGATGTTTGAAGGAAAAGCCAACGAGAGCAGCCCCAAGCCAGTTG GCCCCCTCCAGAGAGACATTGCTAGCCTGCCCTAGAGACCCCGCCTGGACTCCCCAG CCTTCCCACCCCATACCTCCCTCCCGATCTTGCTGCCCTTCTTGACACACTGAGATCTCT CTCTCTCATTTGTTTGGTCATTGAGGGNTTAGTTTGTGTTTTCATCAATGTCTTTGAA AGCACAAATATCTGCCTAAAGGGCTCTGGGTCGGGAATCCTGAGCCTTGGTCCCTCCCT TCTTTTCTCCTCCGCTCCTGGCAGAGNCTGTATCAACCAAATANAGGGGCAGGCCA GGCAGGGAGCTTACCTGTGTCCCTACTTGGAGGACAGCCTCTCATCTTCAAGAAGCTCAG CCNATTACGCTACTGACTGCTCTGACAGACCCAGCCTCTGGAGNACTTTGAGTAGACAGC TCAGC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_031426 unedited TATGGAACGGCGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTGGTAAGTT TGCTGGTTTATTTGCAGGCTGTAGAGATGATATCCAGTCCACGCACACTCCCATGCAC ACGCACACACATACTTCACTCCACCTGAATTTGCCGACAAACCCTCCTCTGAGTCATAGG GACAAAGCCATACTTGGCAGTCCCTCACGTTACTGGTTACATTAGATTTGGTCTTTCAGAA AGAAGATGGTTGAAGTCCCAAGAAGCTGAGCCCTTAGCCAGAGAAGTAAGAGTCCTAGAA CCAAGAGCCACAACCTGAAATAGATGCAGACTGCCCCCGCCCTCCTTCCAGGGACAACCTC TTGAGACCCTCTCCTCCCAGGAGTTGAGTCTCAAGAAATGAAGGGACTGATGGGGTTTCC CAGGACACACGAGCCCCACCCCAATCAATGAGAAAACCCTCTCTTCTGCCATTTCCAG AAGCTGGGGCCACACCTGCTTGTCTCCTCCCTTAGGAGAATTCCTGCAGTCTTGTAGAA CTGTGGAATTAAGTAAAGCCTGACTGGTTCTGCCTCCTCTGAGGGAGGACAGG GACACTGAATAAGATGGCTAGTCAAGGAAGGCTTATCTTCTCAAAGGCCCCAGCCTGT TCCCAAAGGCAAGCCACTAAGGACGGCGCAGGACACTTAGGAGCCTTGGGGAAGAAAA AAACAAAAAACAGGCACGGGGGGGGTATACATAAGAATTCTCCTTTAACCGGGAGGAA CGTTTCGCTGGGCGTTAAACCCACCCCGGCGGTGTGCTTTTGAAGCAGAAGTCTGAC CCCAGACACCCCGTTTGGGCACAAACCTCATCTGCGACCGGTGGAACAGTGGCACC CACCCGGCCCTTCTCCGGCTAACGGTTCACCCCAAGCGCACCAGAGGACAAGGGCCG TGAACCCCTTTGTTCCACCCAT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_031426
Insert Size:	3380 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_031426.2](#), [NP_113614.1](#)

RefSeq Size: 3406 bp

RefSeq ORF: 453 bp

Locus ID: 83543

UniProt ID: [Q9BQI0](#)

Cytogenetics: 9q34.12-q34.13

Gene Summary: Actin-binding protein that promotes actin bundling. May neither bind calcium nor depend on calcium for function.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) lacks an alternate coding region segment, compared to variant 3. The resulting protein (isoform 1) is shorter when it is compared to isoform 3.
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.