

Product datasheet for **MC201324**

Aif1 (NM_019467) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aif1 (NM_019467) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Aif1
Synonyms:	AI607846; AIF-1; D17H6S50E; G1; Iba1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC021539 sequence for NM_019467 CCACGCGTCCGCTGGGGTGTGGTGTGAGCAGAAAGCTGATGTGGAAGTATGCCTGGGAGTTAGCAAGGG AATGAGTGGAAAGGGGAAGTGTGAGAACGGTCCCAGAAGAGACTGGGGAGCTGGTGGAGAGAGGACCCAG CGGACAGACTGCCAGCCTAAGACAACAGCGTCTGAGGAGCCATGAGCCAAAGCAGGGATTGTCAGGGAG GAAAAGCTTTTGGACTGCTGAAGGCCAGCAGGAAGAGAGGCTGGAGGGGATCAACAAGCAATTCCTCGA TGATCCCAAATACAGCAATGATGAGGATCTGCCGTCCAAACTTGAAGCCTTCAAGGTGAAATACATGGAG TTTGATCTGAATGAAATGGAGATATCGATATTATGTCCTTGAAGCGAATGCTGGAGAAACTTGGGGTTC CCAAGACCCACCTAGAGCTGAAGAGATTAATTAGAGAGGTGCCAGTGGCTCCGAGGAGACGTTCCAGCTA CTCTGACTTTCTCAGAATGATGCTGGGCAAGAGATCTGCCATCTTGAGAATGATTCTGATGTATGAGGAG AAAAACAAGAACAAGAGGCCAACTGGTCCCCAGCCAAGAAAGCTATCTCCGAGCTGCCCTGATTGG AGGTGGATGTACACGGTGGGGCTGAGTGAAGAGCTTCTGATGACAGCAGCATGGAAAAAAGAAACAGTC GTGAGCCAGAGTCAGACTAAATAAATGACGCTCCTAGTGGGTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_019467
Insert Size:	444 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).



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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: [BC021539](#), [AAH21539](#)

RefSeq Size: 780 bp

RefSeq ORF: 444 bp

Locus ID: 11629

UniProt ID: [O70200](#)

Cytogenetics: 17 18.59 cM

Gene Summary: Actin-binding protein that enhances membrane ruffling and RAC activation. Enhances the actin-bundling activity of LCP1. Binds calcium. Plays a role in RAC signaling and in phagocytosis. May play a role in macrophage activation and function. Promotes the proliferation of vascular smooth muscle cells and of T-lymphocytes. Enhances lymphocyte migration. Plays a role in vascular inflammation.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same isoform (a).