

Product datasheet for MR201064

Aif1l (NM_145144) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aif1l (NM_145144) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Aif1l
Synonyms: 2810003C17Rik; AI043124; C87647; Iba2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201064 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGGTGCCTCAGCAACAGGTTCCAAGGAGGAAGGCGTTCGGTTTGCTCAAAGCCCGCAGGAGA
 AGAGGCTCGAGGAGATCAATCGGGAGTTCCTCTGTGACCAGAAGTACAGTGATGAAGAGAACCTGCCGGA
 AAAGCTCGCAGCCTTCAAAGAGAAATACATGGAGTTTGACCTGAATAATGAAGGCGAGATTGATCTGATG
 TCTTTAAAGAGGATGATGGAGAAGCTGGGGTCCCAAGACCCACCTGGAGATGAAGAAGATGATCTCGG
 AGGTGACAGGGGTGTCAGTGACACCATCTCTACCGAGACTTTGTGAATATGATGCTGGCAAGCGGTC
 GGCTGTCTCAAGCTGGTCATGATGTTTGAAGGAAAAGCCAACGAGAGCAGCCCGAAGCCAGCTGGCCCA
 CCTCCAGAGCGAGACATCGCCAGCTGCCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201064 protein sequence
 Red=Cloning site Green=Tags(s)

MSVALSNRFQGGKAFGLLKARQEKRLLEEINREFLCDQKYSDEENLPEKLAAFKEKYMFDLNNEGEIDL
 SLKRMMEKLGVPKTHLEMKMISEVTGGVSDTISYRDFVNMMLGKRSVAVLKLVMFEGKANESSPKPAGP
 PPERDIASLP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_145144

ORF Size: 453 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.

RefSeq: [NM_145144.1](#), [NP_660126.1](#)

RefSeq Size: 2967 bp

RefSeq ORF: 453 bp

Locus ID: 108897

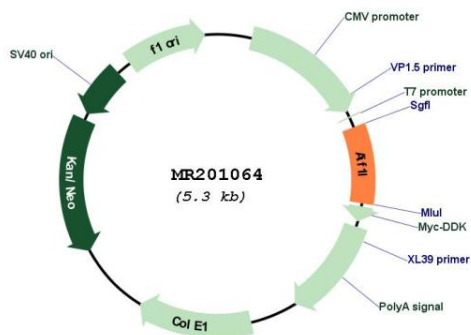
UniProt ID: [Q9EQX4](#)

Cytogenetics: 2 B

MW: 17 kDa

Gene Summary: Actin-binding protein that promotes actin bundling. May neither bind calcium nor depend on calcium for function (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201064