

Product datasheet for MR219438

Ahi1 (NM_026203) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ahi1 (NM_026203) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ahi1
Synonyms:	1700015F03Rik; Ahi-1; D10Bwg0629e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR219438 representing NM_026203 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCCAGAACTCCAGAGAAGGTGGATTCTGCACAAGAGAAAGTCAGAGGCAAGACCCCGACAGCAG
ATGATTCAGATGACAGCCGAGAAAAGACTGGCATAGAAGAGAAAGGAGAAGTACCGACGCTATCAGCT
GCAGGTAGCTGAAGAAATGGCAAAGGAGATCAAGAAGAAAATAAGAAAGAAGCTAAAGGAACAGCTGACC
TACTTTCTCCAGACACTCTATTGCATGACGACAAGCTGGCCAGTGAAAAAGAAAGAAGAAGAAGA
AAGTGCCAGTGCCCACTAAGCCTGAGTCAAGTCCCTCAGATGTCTGTGACAGTGCAGTTGAAGGGGAACA
AAAGAAAGAAGGTACCCCTGAGGACTCTCAGCACATGGAGGGAATCTGCTCGAGAGAGCAGGATGTGGAT
GCCACTGTGCCAGAGAACGCAAAGCCCAACCCAAAGAAGACAAAGAAGAAGACTAAAGCAGTTTCAAATG
ATAATGAAGACACTAATGGAGATGGTGTTCATGAGATAACAAGCCGAGACAGCCAGTTCATCCCAAGTG
CTTGCTGGATGATGACCTCGTCAATGGGAGTCTACATTCACCGAACCGATAGACTTAAATCTGACTTTATG
ATTTCTCACCCAATGGTAAAGATCCATGTGTTGATGAGCACACTGGCCAGTACGTCAAGAAAGATGACA
GTGAACGTCCTGTTTCATCTTATTATGAGAAAGACAACGTGGACTATATTCTCCCTATTATGACACAGCC
ATATGACTTTAAAAAGCTAAAGTCAAGGCTTCCGGAGTGGGAGGAGCAAGTTATTTTTAATGAAAATTTT
CCCTATTTGCTTCGAGAGTTTGAAGAATGTCCAAAAGTCATCCTGTTCTTTGAGATCTTGACTTTTTAA
GCATGGATGAAATCAAGAATAACTCTGAGGTTCAAACCAAGAGTGTGGCTTTCGGAAAATTGCCTGGGC
GTTTCTTAAGCTTCTGGGAGCCAATGGGAATGCAAACATCAACTCAAACCTTCGCCTGCAGCTCTACTAC
CCACCGACTAAGCCTCGATCCCAGCTAAATGTCGTGAGGTTTTTGAATGGTGGTCCAAGTGTCCAAGAA
ATCGTTATCCATCAACATTGTATGTAACCGTACGAGGATTGAAAGTCCCGGACTGTATAAGCCATCTTA
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TCCGTGGACACAGAACCTGGACTAGAAGATTCAAAGGAGGAAGTGAAGTGGAAACGTCTGCCTGGCCAGG
CCTGTCGATCCCAAACAAGCATCTTCTCACTGAATGCTGGAGAACCGGCTGTTTCTGTCTTGATTT
CTCTACAATGGAAGGATATTAGCAGCAGCCTGTGCCAGCCGAGACGGATATCCGATTATATTATATGAA



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ATTCCTTCTGGACGTTTTATGAGAGAATTGTGTGGCCACCTCAATATCATTTATGATCTCGACTGGTCAA
 AAGACGATCGCTATCTCGTTACTTCATCCTCTGACGGCACTGCCAGAGTTTGAAGAATGAAATCAATAG
 CACGAGCACGTTACAGAGTCTTACCTCACCCCTCCTTCGTCTACACGGCTAAATCCACCCAGCCACACGG
 GAGCTGGTGGTTACAGGATGCTACGACTCTATGATAAGGATTTGGAAAATTGATGCAAGGGAGGATGCTG
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 CCACATGTAICTCAGGAGACTGCATCGGGTTCATCGTTGTCTGGGACACGTACGTCAAAGTGAATGATGTG
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 GTTACCTGGAGGTTCCATCCCAATGGAAAGCGTTTGTCTAATCCACACCAAAGACAGTACTCTGAGGATTAT
 GGACCTGCGGATATTGGCAGCCAGGAAATTTGTGGGTGCAGCAAATTACCGTGAGAAGATCCATAGCACC
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 GGCCAGTGAACACTGTATCGAGACTCCCTCCGAAGTAAAGGAGCGCTCCCTCCTTTAACTCCCAAG
 GAGAAACTAAACCAGAAAAGCCTCTGGCTTCTCAAAGCAGTCGCTCAGTAAGGGCAGACCCTGGATC
 CCAGACTGGGCCCGCAGCCTGTGGGGCATTCTGAGAAGGGCAAAGATCAAACGTGGAGGACCCGAGGACA
 CAAAGTAGATATGGAGACAAAGAAAAGCGAGCCGGTGGTCCGCAAAGTCACCCTGATAGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR219438 representing NM_026203

Red=Cloning site Green=Tags(s)

MEPETPEKVDSAQEKVRGKPTADDSDDSREKTGIEEKGELTDAYQLQVAEEMAKEIKKKIRKKLKEQLT
 YFPDPTLLHDDKLAASEKRKKKKKVPVPTKPESSPSDVCDSAVEGEQKKEGTPEDSQHMEGICRSREQDVD
 ATPENAKPKPKTKKKTKAVSNDNEDTNGDGVHEITSRDSVPVHPKCLDDDLVMGVYIHRDRLKSDFM
 ISHPMVKIHVDEHTGQYVKKDDSERPVSSYYEKDNVDYILPIMTQPYDFKLLKSRLEPEWEEQVIFNENF
 PYLLREFEPCPKVILFFEILDFLSMDEIKNNSEVQNQCEGFRKIAWAFLKLLGANGNANINSKLRLQLYY
 PPTKPRSQLNVVEVFEEWWSKCPNRYPSTLYVTVRGLKVPDCIKPSYRSMMALQEERGTPVYCERHRETS
 SVDTEPGLDSKEEVKWKRLPGQACRIPNKHFLSLNAGERGCFCLDFSHNGRILAAACASRDGYPILLYE
 IPSGRFMRELCGHLNIIYDLWSKDDRYLVTSSSDGTARVWVNEINSTSTFRVLPHPSFVYTAKFHPATR
 ELVVTGCYDSMIRIWKIDAREDAAILVRQLDVHKSFVNSICFDDDEGHMYSGDCIGVIVVWDTYVKNVDV
 QHSVRHWTINKEIKETEFRGVPIISYLEVHPNGKRLLIHTKDSTLRIMDLRILAARKFVGAANYREKIHST
 LTPCGTLFSGSEGDGIVYVWNPETGEQVAMYSDLFPKSTIRDISYHPLENMVAFCAFQSEPILLIYDF
 QVAQQAEMLKRYSGTLPLPGIHQSEDALCTCPKLPQQGSFQIDFVNTENS SRKIQLVKQRLETVTEV
 IRSCAAKVNKNLSMTSPPPGPAKKPRVKQSFVLTDEI IHQFGLPQTAFISIERGPFVRHVDPPPMVVAL
 YDYTASRDELTIHRGDIIRVYFKDNEDWWYGSVRKGQEGFFPANHVASETLYRDSPPKVKERSPLTPK
 EKTKEKPLASQKQLSKGRPLDPRLGPQPVGHSEKGDQNVEDRGHKVDMETKKSEPVRKVTLE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9095_d11.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_026203

ORF Size: 3141 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_026203.3](#), [NP_080479.2](#)

RefSeq Size: 4885 bp

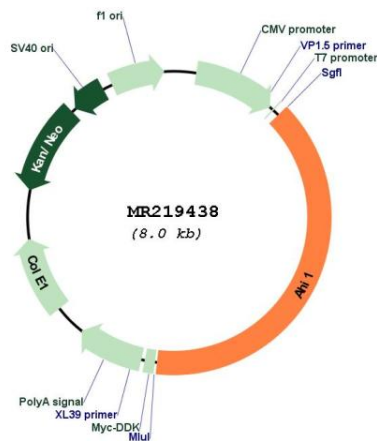
RefSeq ORF: 3144 bp

Locus ID: 52906

Cytogenetics: 10 9.75 cM

MW: 119.7 kDa

Product images:



Circular map for MR219438