

Product datasheet for MR219007

Ajap1 (NM_001099299) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ajap1 (NM_001099299) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ajap1
Synonyms: Gm573
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR219007 representing NM_001099299
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGATCCAACAGCTTTTAGGACTCAGCTCCATGTCTATCCGCTGGCCCGGCCGCTCTCTCGGAAGCC
 ATGCCTGGATACTGATAGCCATGCTGCAGCTTGC GGTCGACTTCCCATCCTGTGACTCACTAGGCCCTGG
 GCCCGAGTTCGGCTCCTGTACGCCCACAGAGGCCCCAGCGGCTGTGGAGTCTGCGAAGTGACCCCCA
 ACGAGGCTACCGACACCGGCTGGAGTCCCGTGTGCCCGGCAGAACGTGCCACGGACCCATACAGA
 TGCAGACTCCCCGTGCTCGGAGGGCCACAGGCCAGGGACCAGGTAGCCACCCTCGGACCCAAAGGGG
 ACTCACCAAGCCCCAGCTGCCACCAGGTGAGGCCCTCCCTCGCCTCTGCGACGGCCTCATCCTCCATA
 GTGACTGCTGGGGCTGCAGAGCACCAGGGCCTCCTAAGACGGGGTAGGAGGCACACACATGATACAGAGT
 TCAACGATTTTCGACTTCCGTGGTGGCAGGCCACGACAGAGACAGAATTCATAGCCTGGGGGCTACGGG
 GGATGAGGACGCCCTGGAGTCCAACACCTTCCCTGGTGGTTTTCGGCCACCACGGTCTCCATCTTGCAA
 ACACGGAAGACAACGGTGGCCACCACCACCACCACCACCGCGCCAGCACGGCCACCGCCATGACTGC
 AGACTAAGGGGTACCGAGTCCCTGGATCCCTGGAAAAGGACCCTGTTGGGGTAGCACACGGAGCC
 TTCCACTAGTCCCAGCAGCAATGGGAAAGACATCCAGCCCCGAGGATCTTAGGGGAGACCTCAGGTCTG
 GCTGTGCATCAGATCATCACCATCACCGTCTCCCTCATCATGGTATCGCTGCGCTCATCAACTTTG
 TCTTAAAAAATTGCTGTGCCCAAGCGGGCACACTCGGAGGAATAGCCACCAGCGGAAGATGAATCAGCA
 GGAGGAGAGTTGCCAGAATTGACGGACTTACCCCGGCCGGGTGCCAGCAGTGTGGACATCTTACC
 GCCTATAATGAGACTGCAAGTGTCTCACGAGTGTGTCAGGGCCTCTGTGCCCGTGTATGCCGACGAGA
 CGCTGCACTCGACCGGGAGTACAAGTCCACATCAACGGAACCGAACATCCTCTGCGGATAGGCATCT
 CATCCCTGTGGCCTTTGTGTCTGAGAAATGTTTTGAAATCTCCTGC

ACGGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR219007 representing NM_001099299
Red=Cloning site Green=Tags(s)

MWIQQLLGLSSMSIRWPGRSLGSHAWIL IAMLQLAVDFPSCDSLPGPPEFRLLSRPQRPQRLWLSRSGPP
 TRLPTPAWSPRAARAERAHGPIQMOTPRARRAHRPRDQVATLGPKGGLTKPPAATRSSPSLASATASSSI
 VTAGAAEHQGLLRGRRRHTHDFNFDFRGRPTTETEFIAWGPTGDEDALESNTFFGGFGPTTVSILQ
 TRKTTVATTTTTAASTATAMTLQTKGVTESLDPWKRTVPVGVSTTEPSTSPSSNGKDIQPPRILGETSGL
 AVHQIITITVSLIMVIAALITTLVLKNCCAPSGHTRRNSHQKMNQEEESCQNLTDFTPARVPSSVDIFT
 AYNETLQCSHECVRASVPVYADETLHSTGEYKSTFNGNRTSSADRHLIPVAFVSEKWF EISC

TRTRPLEQKLISEEDLAANDILDYKDDDDKVK

Chromatograms: https://cdn.origene.com/chromatograms/mm9081_h05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001099299

ORF Size: 1236 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_001099299.1](#), [NP_001092769.1](#)

RefSeq Size: 3067 bp

RefSeq ORF: 1239 bp

Locus ID: 230959

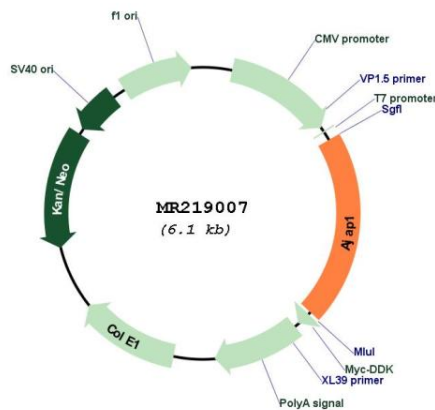
UniProt ID: [A2ALI5](#)

Cytogenetics: 4 E2

MW: 44.8 kDa

Gene Summary: Plays a role in cell adhesion and cell migration.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219007