

Product datasheet for **MG219007**

Ajap1 (NM_001099299) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ajap1 (NM_001099299) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ajap1
Synonyms: Gm573
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG219007 representing NM_001099299
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTGGATCCAACAGCTTTTAGGACTCAGCTCCATGTCTATCCGCTGGCCCGCCGCTCTCTCGGAAGCC
 ATGCCTGGATACTGATAGCCATGCTGCAGCTTGC GGTCGACTTCCCATCCTGTGACTCACTAGGCCCTGG
 GCCCGAGTTCCGGCTCCTGTACGCCCACAGAGGCCCCAGCGGCTGTGGAGTCTGCGAAGTGACCCCCA
 ACGAGGCTACCGACACCGGCTGGAGTCCCGTGTGCCGGGACAGAACGTGCCACGGACCCATACAGA
 TGCAGACTCCCCGTGCTCGGAGGGCCACAGGCCAGGGACCAGGTAGCCACCCTCGGACCCAAAGGGGG
 ACTCACCAAGCCCCAGCTGCCACCAGGTGAGGCCCTCCCTCGCCTCTGCGACGGCCTCATCCTCCATA
 GTGACTGCTGGGGCTGCAGAGCACCAGGGCCTCCTAAGACGGGGTAGGAGGCACACACATGATACAGAGT
 TCAACGATTTTCGACTTCCGTGGTGGCAGGCCACGACAGAGACAGAATTCATAGCCTGGGGGCTACGGG
 GGATGAGGACGCCCTGGAGTCCAACACCTTCCCTGGTGGTTTTCGGCCACCACGGTCTCCATCTTGCAA
 ACACGGAAGACAACGGTGGCCACCACCACCACCACCACCGCGCCAGCACGGCCACCGCCATGACTGC
 AGACTAAGGGGGTACCGAGTCCCTGGATCCCTGGAAAAGGACCCTGTTGGGGTAGCACACGGAGCC
 TTCCACTAGTCCCAGCAGCAATGGGAAAGACATCCAGCCCCGAGGATCTTAGGGGAGACCTCAGGTCTG
 GCTGTGCATCAGATCATCACCATCACCCTCCCTCATCATGGTATCGCTGCGTCATCAACTTTG
 TCTTAAAAAATTGCTGTGCCCAAGCGGGCACACTCGGAGGAATAGCCACCAGCGGAAGATGAATCAGCA
 GGAGGAGAGTTGCCAGAATTGACGGACTTACCCCGGCCGGGTGCCAGCAGTGTGGACATCTTACC
 GCCTATAATGAGACTGCAAGTGTCTCACGAGTGTGTCAGGGCCTCTGTGCCCGTGTATGCCGACGAGA
 CGCTGCACTCGACCGGGAGTACAAGTCCACATTCACGGAACCGAACATCCTCTGCGGATAGGCATCT
 CATCCCTGTGGCCTTTGTGTCTGAGAAATGTTTTGAAATCTCCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG219007 representing NM_001099299
 Red=Cloning site Green=Tags(s)

MWIIQQLLGLSSMSIRWPGRSLGSHAWILIAMLQLAVDFPSCDSLPGPPEFRLLSRPQRQRLWLSRSGPP
 TRLPTPAWSPRAARAERAHGPIQMOTPRARRAHRPRDQVATLGPKGGLTKPPAATRSSPSLASATASSSI
 VTAGAAEHQGLLRGRRRHTHDFEFDNDFRGGRRPTTEFEIAGWPTGDEDALESNTFPGGFPTTVSILQ
 TRKTTVATTTTTAASTATAMTLQTKGVTESLDPWKRTVPVGVSTTEPSTSPSSNGKDIQPPRILGETSGL
 AVHQIITITVSLIMVIAALITTLVLKNCCAPSGHTRRNSHQKMNQEEESCQNLTDFTPARVPSSVDIFT
 AYNETLQCSHECVRASVPVYADETLHSTGEYKSTFNGNRTSSADRHLIPVAFVSEKWF EISC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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

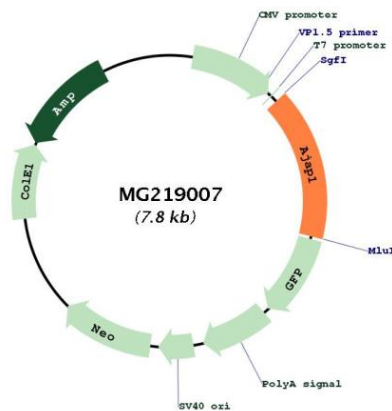
Locus ID: 230959

UniProt ID: [A2ALI5](#)

Cytogenetics: 4 E2

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

Product images:



Circular map for MG219007