

Product datasheet for **RC213388**

AJAP1 (NM_018836) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: AJAP1 (NM_018836) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: AJAP1
Synonyms: MOT8; SHREW-1; SHREW1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC213388 representing NM_018836
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGATTCAACAGCTTTTAGGACTCAGCTCCATGTCCATCCGCTGGCCGGGCCGCCCTCGGAAGCC
ATGCCTGGATACTGATAGCCATGTTTCAGCTCGCCGTGGACCTGCCCGCCTGCGAGGCCCTGGGCCCGG
GCCGGAGTTCTGGCTCCTGCCGGTTCGCCCGCCCGGCCCGCCCGCTGTGGAGTTTATGAGTGGACAG
CCAGCGCGGTCCCGGCCCGGTGTGGAGCCCCGGCCCGCCCGAGTGGAGCGGATCCACGGGCAGATGC
AGATGCCTCGAGCCAGACGGGCCACAGGCCCGGGACCAGGCGGCCCGCCTCGTGCCCAAGGCAGGACT
GGCCAAGCCCCAGCTGCTGCCAAATCCAGCCCTTCCTCGCCTTTCGTCTCGTCTCGTCTCGTCTCGCGG
GTGGCCGGTGGGGCCCCGGAGCAGCAGGCCCTCCTGAGGAGGGGCAAGAGGCACCTGCAGGGGGACGGTC
TCAGCAGCTTCGACTCCAGAGGCAGCCGGCCACCACAGAGACTGAGTTCATCGCCTGGGGGCCACGGG
GGACGAGGAGGCCCTGGAGTCCAACACATTTCCGGCGTTTACGGCCCCACCACGGTCTCCATCCTACAA
ACACGGAAGACAACGTGGCCGCCACCACCACCACCACCACCACGGCCACCCCATGACGCTGCAGACTA
AGGGGTTACCGAGTCTTGGATCCCGGAGAAGGATCCAGGTGGGGTTAGCACACGGAGCCTCCAC
CAGTCCCAGCAACAACGGGAAGTCAACCAGCCCCAAGGATTCGGGGAGGCCCTCAGTCTGGCTGTC
CATCAGATCATCACCATACCGTCTCCCTCATCATGGTTCATAGCTGCTCATCACAACTTTGTCTTAA
AAAATTGCTGTGCCAAAGCGGGAACAACACTCGTCGGAACAGCCACCAGCGGAAGACCAACCAGGAGGA
GAGCTGCCAGAACCTCACGACTTCCCCTCGGCCCGGGTCCCGCAGCAGCCTGGACATATTCACGGCCTAT
AACGAGACCCTGCAGTGTCTCACGAGTGCCTCAGGGCATCTGTGCCCGTGTACACCGATGAGACGCTGC
ACTCGACGACGGGGAGTACAAATCCACATTTAATGAAAACCGACCCTCCTTCTGATCGGCATCTTAT
TCCTGTGGCCTTCGTGTCTGAGAAATGGTTTGAATCTCCTGC

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC213388 representing NM_018836
Red=Cloning site Green=Tags(s)

MWIQQLLGLSSMSIRWPGRPLGSHAWILIAMFQLAVDLPACEALGPGPEFWLLPRSPRPPRLWSFRSGQ
 PARVPAPVWSPRPPRVERIHGQMMPRARRAHRPRDQAAALVPKAGLAKPPAAAKSSPSLASSSSSSSSA
 VAGGAPEQQALLRRGKRHLQGDGLSSFDSRGRPTTETEFIAWGPTGDEEALESNTFPGVYGPTTVSILQ
 TRKTTVAATTTTTTTATPMTLQTKGFESLDRRRIPGGVSTTEPSTSPSNNGEVTQPPRILGEASGLAV
 HQIITITVSLIMVIAALITTLVLKNCCAQSGNTRRNHQKRNQEEESCQNLDFPSARVPSSLDIFTAY
 NETLQCSHECVRASVPVYTDDELHSTTGEYKSTFNGNRPSSSDRHLIPVAVFVSEKWFEEIS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8005_c05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_018836

ORF Size: 1233 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_018836.2](#), [NP_061324.1](#)

RefSeq Size: 2910 bp

RefSeq ORF: 1236 bp

Locus ID: 55966

UniProt ID: [Q9UKB5](#)

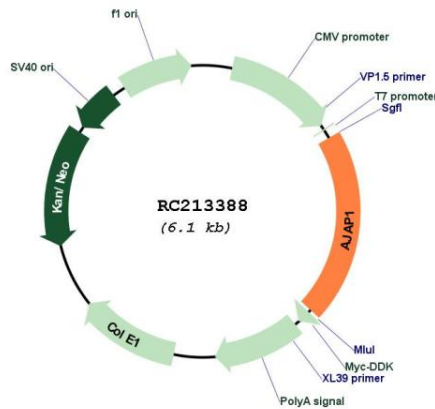
Cytogenetics: 1p36.32

Protein Families: Druggable Genome, Transmembrane

MW: 44.4 kDa

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

Product images:



Circular map for RC213388