

## Product datasheet for SC311268

### AJAP1 (NM\_001042478) Human Untagged Clone

#### Product data:

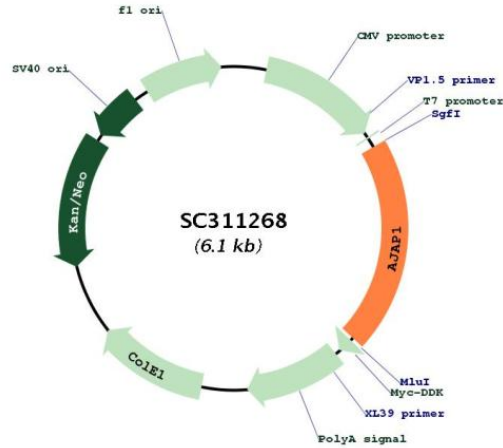
Product Type:	Expression Plasmids
Product Name:	AJAP1 (NM_001042478) Human Untagged Clone
Tag:	Tag Free
Symbol:	AJAP1
Synonyms:	MOT8; SHREW-1; SHREW1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC311268 representing NM_001042478. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGGATTCAACAGCTTTTAGGACTCAGCTCCATGTCCATCCGCTGGCCGGGCCGCCCTCGGAAGC
CATGCCTGGATACTGATAGCCATGTTTCAGCTCGCCGTGGACCTGCCCGCTGTGAGGCCCTGGCCCG
GGGCCGGAGTTCTGGCTCCTGCCCGGTGCGCCCGCCCGGCCCGCCCGGCTGTGGAGTTTTAGGAGTGGA
CAGCCAGCGCGGGTCCCAGCCCGGTGTGGAGCCCCGGCCCGCCCGAGTGGAGCGGATCCACGGGCAG
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GGACTGGCCAAGCCCCAGCTGCTGCCAAATCCAGCCCTCCCTCGCCTCTTCGTCTCGTCTCGTCC
TCCGCGGTGGCCGGTGGGGCCCCGAGCAGCAGGCCCTCCTGAGGAGGGCAAGAGGCACCTGCAGGGG
GACGGTCTCAGCAGCTTCGACTCCAGAGGCAGCCGGCCACCACAGAGACTGAGTTCATCGCCTGGGGG
CCCACGGGGGACGAGGAGGCCCTGGAGTCCAACACATTTCCGGGCGTTTACGGCCCCACCACGGTCTCC
ATCCTACAAACACGGAAGACAACGTGGCCGCCACCACCACCACCACCACGGCCACCCCATGACG
CTGCAGACTAAGGGGTTACCGAGTCTTGGATCCCCGGAGAAGGATCCCAGGTGGGGTTAGCACAACG
GAGCCTCCACAGTCCCAGCAACAACGGGAAGTCAACAGCCCCCAAGGATTCTGGGGGAGGCCTCA
GGTCTGGCTGTCCATCAGATCATCACCATACCGTCTCCCTCATCATGGTCATAGCTGCTCTCATACA
ACTTTTGTCTTAAAAAATTGCTGTGCCAAAGCGGGAACACTCGTGGAAACAGACCACGCGGAAGACC
AACCAGCAGGAGGAGAGCTGCCAGAACCTCACGACTTCCCTCGGCCCGGGTGCCCAGCAGCCTGGAC
ATATTCACGGCCTATAACGAGACCTGCAGTGTCTCACGAGTGCCTCAGGGCATCTGTGCCGTGTAC
ACCGATGAGACGCTGCACTCGACGACGGGGAGTACAAATCCACATTTAATGAAACCGACCCTCTCT
TCTGATCGGCATCTTATTCCTGTGGCCTTCGTGTCTGAGAAATGGTTTGAATCTCCTGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-MluI



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**Plasmid Map:**


**ACCN:** NM\_001042478

**Insert Size:** 1236 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_001042478.1](#)

**RefSeq Size:** 2070 bp

**RefSeq ORF:** 1236 bp

**Locus ID:** 55966

**UniProt ID:** [Q9UKB5](#)

**Cytogenetics:** 1p36.32

**Protein Families:** Druggable Genome, Transmembrane

**MW:** 44.5 kDa

**Gene Summary:** Plays a role in cell adhesion and cell migration.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) differs in the 3' UTR compared to variant 1. Both variants 1 and 2 encode the same protein. CCDS Note: This CCDS ID represents the protein described in PMIDs: 14595118 and 17267690. This protein is encoded by two different splice variants that are supported by AF175409.1 and AL049673.1. It should be noted that this transcript is predicted to undergo nonsense-mediated mRNA decay (NMD). However, the protein is represented because it was detected endogenously in PMID: 14595118. It is likely that the majority of transcripts representing this variant will undergo NMD, while some low level of NMD escape may allow for the expression of this protein.