

Product datasheet for **RG223102**

AJAP1 (NM_001042478) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AJAP1 (NM_001042478) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AJAP1
Synonyms:	MOT8; SHREW-1; SHREW1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG223102 representing NM_001042478 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGATTCAACAGCTTTTAGGACTCAGCTCCATGTCCATCCGCTGGCCGGGCCGCCCTCGGAAGCC
ATGCCTGGATACTGATAGCCATGTTTCAGCTCGCCGTGGACCTGCCCGCCTGTGAGGCCCTGGGCCCGG
GCCGGAGTTCTGGCTCCTGCCGGTTCGCCCGCCCGCCCGCCCGCTGTGGAGTTTATGAGTGGACAG
CCAGCGCGGTCCCGGCCCGGTGTGGAGCCCCGGCCCGCCCGAGTGGAGCGGATCCACGGGCAGATGC
AGATGCCTCGAGCCAGACGGGCCACAGGCCCGGGACCAGGCGCCGCCCTCGTCCCAAGGCAGGACT
GGCCAAGCCCCAGCTGCTGCCAAATCCAGCCCTTCCCTCGCCTTTCGTCTCGTCTCCTCGCTCCGCG
GTGGCCGGTGGGGCCCCGGAGCAGCAGGCCCTCCTGAGGAGGGGCAAGAGGCACCTGCAGGGGGACGGTC
TCAGCAGCTTCGACTCCAGAGGCAGCCGGCCACCACAGAGACTGAGTTCATCGCCTGGGGGCCACGGG
GGACGAGGAGGCCCTGGAGTCCAACACATTTCCGGCGTTTACGGCCCCACCACGGTCTCCATCCTACAA
ACACGGAAGACAACGTGGCCGCCACCACCACCACCACCACCACGGCCACCCCATGACGCTGCAGACTA
AGGGGTTACCGAGTCTTGGATCCCGGAGAAGGATCCAGGTGGGGTTAGCACACGGAGCCTCCAC
CAGTCCCAGCAACAACGGGAAGTCAACCAGCCCCAAGGATTCGGGGAGGCCCTCAGTCTGGCTGTC
CATCAGATCATCACCATACCGTCTCCCTCATCATGGTTCATAGTCTCATCACAACTTTGTCTTAA
AAAATTGCTGTGCCAAAGCGGGAACACTCGTCGGAACAGCCACCAGCGGAAGACCAACCAGCAGGAGGA
GAGCTGCCAGAACCTCACGGACTTCCCCTCGGCCCGGGTGCCAGCAGCCTGGACATATTACGGCCTAT
AACGAGACCCTGCAGTGTCTCACGAGTGCCTCAGGGCATCTGTGCCCGTGTACACCGATGAGACGCTGC
ACTCGACGACGGGGAGTACAAATCCACATTTAATGAAAACCGACCCTCCTTCTGATCGGCATCTTAT
TCCTGTGGCCTTCGTGTCTGAGAAATGGTTTGAATCTCCTGC

ACGGTACGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG223102 representing NM_001042478
 Red=Cloning site Green=Tags(s)

MWIQQLLGLSSMSIRWPGRPLGSHAWILIAMFQLAVDLPACEALGPGPEFWLLPRSPRRPRLWSFRSGQ
 PARVPAPVWSPRPPRVERIHGQMMPRARRAHRPRDQAAALVPKAGLAKPPAAAKSSPSLASSSSSSSSA
 VAGGAPEQQALLRRGKRHLQDGLSSFDSRGSRPPTTEFIAWGPTGDDEALESNTFPGVYGPPTTVSILQ
 TRKTTVAATTTTTTATPMTLQTKGFTESLDPRRRIPGGVSTTEPSTSPSNNGEVTQPPRILGEASGLAV
 HQIITITVSLIMVIAALITTLVLKNCCAQSGNTRRNNSHQKTNQEEESCQNLDFPSARVPSSLDIFTAY
 NETLQCSHECVRASVPVYTDDELHSTTGEYKSTFNGNRPSSSDRHLIPVAFVSEKWFEIFC

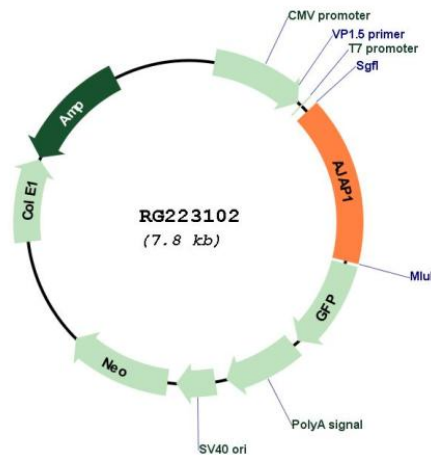
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001042478

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:	<ol style="list-style-type: none">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_001042478.2
RefSeq Size:	2070 bp
RefSeq ORF:	1236 bp
Locus ID:	55966
UniProt ID:	Q9UKB5
Cytogenetics:	1p36.32
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	Plays a role in cell adhesion and cell migration.[UniProtKB/Swiss-Prot Function]