

## Product datasheet for **MG202078**

### Asf1b (NM\_024184) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Asf1b (NM\_024184) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Asf1b  
**Synonyms:** 1700003K02Rik; AA409591  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG202078 representing NM\_024184  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCAAGGTGTCGGTGTGAATGTGGCTGTGCTGGAGAACCCGAGCCCTTCCACAGCCCTTCCGGT  
TCGAGATCAGCTTCAATGCAGTGAGGCCCTGTCTGACGACCTGGAGTGAAGATCATTTATGTGGGCTC  
AGCTGAGAGTGAGGAGTTTGATCAGATCCTAGATTCAGTGTGGTGGCCCTGTCCCTGCAGGAAGGCAT  
ATGTTTCGTTTTCAGGCTGATGCCCAAACCCATCCCTCATTCTGAGACGGACGCCGTGGGTGTGACTG  
TGTTTCTCATCACCTGCACCTACCATGGACAAGAGTTCATCCGTGTGGGCTACTATGTCAACAATGAGTA  
CCCAGACCCAGAGCTTCGAGAGAACCACCCCAAAGCCAGACTTCTCTCAGCTACAGCGGAACATCTTG  
GCCTTAACCCCGGGTGACCCGATTCCATATCAACTGGGACAACAATCCAGACAGTCTGGAAGCCATAG  
AAAACCAGGACCCCAATGTGGACTTCAGCCTTCCCTCAGTTGCATCCTGTAAAGCCTGGGCCCTCC  
TAGTTGCATCCCAGGCCTCCTCCCTGAGAACTCCATGGATTGCATC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG202078 representing NM\_024184  
Red=Cloning site Green=Tags(s)

MAKVSVLNVALENPSPFHSPFRFEISFECSEALSDLEWKIIYVGSASEEFDQILDSVLVGPVPAGRH  
MFVYQADAPNPSLIPETDAVGVTVVLITCTYHGQEFIRVGYVNNNEYPDPPELRENPPPKPDFSQLQRNII  
ASNPRVTRFHINWDNNPDSLEAIENQDPNVDFSLSLSCTPVKSLGLPSCIPGLLPENSMDCI

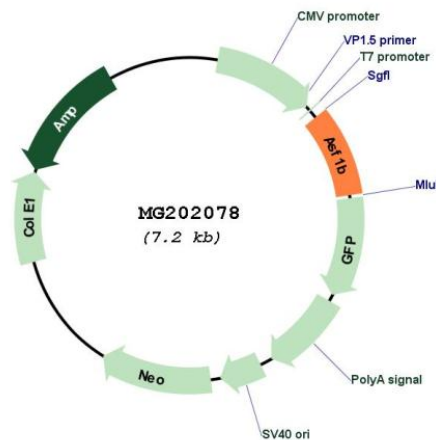
**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_024184

**ORF Size:** 606 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\\_024184.2](#), [NP\\_077146.1](#)

**RefSeq Size:** 1599 bp

**RefSeq ORF:** 609 bp

**Locus ID:** 66929

**UniProt ID:** [Q9DAP7](#)

**Cytogenetics:** 8 C2

**Gene Summary:** Histone chaperone that facilitates histone deposition and histone exchange and removal during nucleosome assembly and disassembly. Cooperates with chromatin assembly factor 1 (CAF-1) to promote replication-dependent chromatin assembly. Does not participate in replication-independent nucleosome deposition which is mediated by ASF1A and HIRA. [UniProtKB/Swiss-Prot Function]