

## Product datasheet for MR202078

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Asf1b (NM_024184) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Asf1b
Synonyms:	1700003K02Rik; AA409591
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202078 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCAAGGTGTCGGTGTGAATGTGGCTGTGCTGGAGAACCCGAGCCCTTCCACAGCCCTTCCGGT  
TCGAGATCAGCTTCAATGCAGTGAGGCCCTGTCTGACGACCTGGAGTGAAGATCATTTATGTGGGCTC  
AGCTGAGAGTGAGGAGTTTGATCAGATCCTAGATTCAGTGTGGTGGCCCTGTCCCTGCAGGAAGGCAT  
ATGTTTCGTTTTCAGGCTGATGCCCAAACCCATCCCTCATTCTGAGACGGACGCCGTGGGTGTGACTG  
TGTTTTCATCACCTGCACCTACCATGGACAAGAGTTCATCCGTGTGGGCTACTATGTCAACAATGAGTA  
CCCAGACCCAGAGCTTCGAGAGAACCACCCCAAAGCCAGACTTCTCTCAGCTACAGCGGAACATCTTG  
GCCTTAACCCCGGGTGACCCGATTCCATATCAACTGGGACAACAATCCAGACAGTCTGGAAGCCATAG  
AAAACCAGGACCCCAATGTGGACTTCAGCCTTCCCTCAGTTGCACCTCTGTTAAAGCCTGGGCCCTCC  
TAGTTGCATCCCAGGCCTCCTCCCTGAGAACTCCATGGATTGCATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>MR202078 protein sequence Red=Cloning site Green=Tags(s)
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MAKVSVLNVAVLNENPSPFHSPFRFEISFECSEALSDDLEWKIIYVGSASEEFDQILDSVLVGPVPAGRH  
MFVVFQADAPNPSLIPETDAVGVTVVLITCTYHGQEFIRVGYVNNNEYPPELRENPPPKPDFSQLQRNIL  
ASNPRVTRFHINWDNNPDSLEAIENQDPNVDFSLSLCTPVKSLGLPSCIPGLLPENSMDCI

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_024184

ORF Size: 609 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

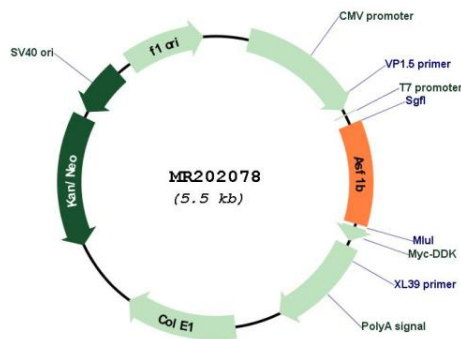
RefSeq ORF: 609 bp

Locus ID: 66929

UniProt ID: [Q9DAP7](#)

Cytogenetics:	8 C2
MW:	22.5 kDa
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]

### Product images:



Circular map for MR202078