

## Product datasheet for MC203187

### Aatf (NM\_019816) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Aatf (NM_019816) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Aatf
Synonyms:	4933415H02Rik; 5830465M17Rik; Che-1; Trb
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC025080

```

>BC025080
CCCACGCTCCGCTGGGCCGTAGCGCCACTGCTGCGAGTGTGCGGCCGGGGGGCTCGGGCTGCAGTGCAG
GTTACAGAGCGCAGCGCCGGCAGTGACCTGGTGACCATGGCGGCCCGCAGCCCTTGGCTCTGCAGCTGG
AACAGTTGCTGAATCCGAGACCGCGTGAGGCGGATCCTGAGGCCGACCCGAGGAGGCCACTAGAGCCAG
AGTGATTGACAGGTTTGTGAAGGGGAAGAGGAGAAAGATGATCTGGCAGTGAAGTGCATTAGAAAGTTG
GCACCAGTCTCCCTTTGGACACCGACAAAAGGTATTCTGGCAAGACCACTTCTAGGAAAGCTTGGAAAAG
AAGACCATTGGGAGCAGGCTCTGCCAAGTTCATCTGATAACGAAGCATCTGATGAGGAGGATCTGAAGA
TGGGGATTGAGGAGGCTGGGCTGGAGGAGATCTCAGAAGATGTTGACGAAGACTTAGAAGACAACAAA
ATATCTGATGAGGAGGATCTGAAGATGGGGATTGAGAGGCTGGGCTGGAAGAGTTCTCAGAAGATG
TTGAGGAGGACTTAGAAGGTGAGGATGAGGAAGACAGAGAAGAAGACAGGAACAGTGAAGATGATGGTGT
GGTGGCAGCCTTCTCCAGTGTCAAAGTTTCTGAGGAAGTGGAAAAGGAAGAGCTGTGAAGAATCAGATA
GCATTGTGGGACCAAGCTTGGAAAGGAAGGATCAAGCTACAAAAAGCTCTTTGACTACCAATCAGTTGC
CTCAACAGATGTTTTCCCTGTCTTCAAGGACAAAAGGTGGCCAGAAATTTGCCAGTGTCTGAAAAATAG
TCACAAAGCACTAAAGCCTTGTAAAGGTCATTGGTGGATCTTCAGGAAGAGTTGCTTTCCAGTACCCA
GACACGAGACATATAGTAAATGGGGCGAAACCAATACAGAGAGTGGAGGATTTCCAGTGAAGATGATG
AGCTAGTGGGAGAGAAGAAGAAACAACGAAAGGCCCCACCAAGAGGAAGCTAGAGATGGAGGACTATCC
CAGCTTCATGGCAAAGCGCTTTGCTGACTTCACCATCTATAGGAATCACACACTACAGAAATGGCATGAT
AAAACCAAGCTTGTCTTGGAAAAGTGGCAAGGGTTTTGGTGCCTTCGAACGCTCGATCTTGACTCAGA
TCGATCATATCATGATGGACAAAAGAAAGATTGCTTCGGAGGACACAGACCAAGCGCTCTGCCTACCGAGT
CTTTGGCAAACCGAGCCAGTCCCTGAGCCTGTTGCAGAGACCTTGCCAGGAGAACCAGAGACGCTTCT
CAGGGCCCTGCCAATGCCACCTGAGGGACTTGGATGAGGAGATATTTGATGATGACTTTTACCACC
AGCTCCTTCGAGAACTCATAGAGCGGAAAACCAAGCTCTTTGGATCCAAATGATCAGGTGGCCATGGGAAG
GCAGTGGCTTGAATCCAGAAACTACGAAGCAAAATCCGCAAGAAGGTAGATAGAAAAGCCAGCAAAAGGA
AGGAAACTTCGGTTCCATGCTCTTAGCAAGCTCCTGAGTTTCATGGCACCTATTGACCACACCGCAATGA
GTGATGATGCCAGGACGGAGTTGTTTCGATCTCTTTTCGCCAGCTCAACCCTCCTGATGCAGACCGTGG
GAAGTGACAGTAGCATCCTCTCAGGCCGACCTCAGCACAGGACCCACCTGCTGCCTCCAATAAAATGAT
CAAAAACATAAACCCTTTTTTTTTTTTTAAAAACAAAAAAAAAAAAAAAAAAAA

```



[View online »](#)

<b>Restriction Sites:</b>	RsrII-NotI
<b>ACCN:</b>	NM_019816
<b>Insert Size:</b>	1581 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">BC025080</a></u> , <u><a href="#">AAH25080</a></u>
<b>RefSeq Size:</b>	1800 bp
<b>RefSeq ORF:</b>	1581 bp
<b>Locus ID:</b>	56321
<b>UniProt ID:</b>	<u><a href="#">Q9JKX4</a></u>
<b>Cytogenetics:</b>	11 C
<b>Gene Summary:</b>	May function as a general inhibitor of the histone deacetylase HDAC1. Binding to the pocket region of RB1 may displace HDAC1 from RB1/E2F complexes, leading to activation of E2F target genes and cell cycle progression. Conversely, displacement of HDAC1 from SP1 bound to the CDKN1A promoter leads to increased expression of this CDK inhibitor and blocks cell cycle progression (By similarity).[UniProtKB/Swiss-Prot Function]