

## Product datasheet for **SC324593**

### **AATF (NM\_012138) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	AATF (NM_012138) Human Untagged Clone
Tag:	Tag Free
Symbol:	AATF
Synonyms:	BFR2; CHE-1; CHE1; DED
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_012138.3  
 TCCGCGCGGTCTCTGGCCGAGTCGGGGAATCGGATCAAGGCGAGAGGATCCGGCAGGGAA  
 GGAGCTTCGGGGCCGGGGTTGGGCCGCACATTTACGTGCGCGAAGCGGAGTGGACCGGG  
 AGCTGGTGACGATGGCGGGGCCGAGCCCTGGCGCTGCAACTGGAACAGTTGTTGAACC  
 CGCGACCAAGCGAGGCGGACCCTGAAGCGGACCCGAGGAAGCCACTGCTGCCAGGGTGA  
 TTGACAGGTTTGATGAAGGGGAAGATGGGAAGGTGATTTCTAGTAGTGGGTAGCATT  
 GAAAAATGGCATCAGCCTCCCTCTTGACACGGACAAAAGTATTGCGGCAAAACCACCT  
 CTAGAAAAGCATGGAATGAAGACCATTGGGAGCAGACTCTGCCAGGATCGTCTGATGAGG  
 AAATATCTGATGAGGAAGGGTCTGGAGATGAAGATTAGAGGGACTGGGTCTGGAGGAAT  
 ATGATGAGGACGACCTGGGTGCTGCTGAGGAACAGGAGTGTGGTATCACAGGGAGAGCA  
 AGAAGAGCAGAAGCCACTCTGCAAAAACACCGGGCTTCAGTGTCCAGAGTATCAGTGACT  
 TTGAGAAATTTACCAAGGAATGGATGACCTTGGGAGCAGTGAGGAGGAGGAAGACGAAG  
 AGAGTGGCATGGAAGAAGGGGATGACGCGGAAGACTCCCAAGGCGAGAGTGAAGGACA  
 GGGCTGGAGATAGAAACAGTGAGGATGATGGTGTGGTGTGACCTTCTCTAGTGTCAAAG  
 TTTCTGAGGAAGTGGAGAAGGAAGAGCCGTGAAGAACCAGATAGCACTGTGGGACCAGC  
 TCTTGGAAAGGAAGGATCAAACACAAAAAGCTCTGTTGACCACCAACCAGCTTCCCTCAAC  
 CAGATGTTTTCCATTGTTCAAGGACAAAAGGTGGCCAGAAATTTCCAGTGCCCTGAAAA  
 ATAGTCACAAGGCACTTAAAGCATTGTTGAGGTGATTGGTAGGTCTTCAGGAAGAGTTGC  
 TTTTCCAGTACCCAGACACTAGATATCTAGTAGATGGGACAAAGCCCAATGCGGGGAAGTG  
 AGGAGATTTCTAGTGAAGATGATGAGCTGGTAGAAGAGAAGAAGCAGCAACGAAGAAGGG  
 TCCCTGCAAAGAGGAAGCTGGAGATGGAGGACTATCCAGCTTCATGGCAAAGCGCTTTG  
 CCGACTTTACAGTCTACAGGAACCGCACACTTCAGAAATGGCACGATAAGACCAAACCTGG  
 CTTCTGGAAAACCTGGGAAGGGTTTTGGTGCCTTTGACGCTCAATCTTGACTCAGATCG  
 ACCATATTCTGATGGACAAAGAGAGATTACTTGAAGGACACAGACCAAGCGCTCTGTCT  
 ATCGAGTCTTGGCAAACCTGAGCCAGCAGCTCAGCCTGTCCCAGAGAGTTTGCCAGGGG  
 AACCGGAGATCCTTCTCAAGCCCTGCTAATGCTCATCTGAAGGACTTGGATGAAGAAA  
 TCTTTGATGATGACTTTTACCACCAGCTCCTTCGAGAACTCATAGAACGGAAGACCA  
 GCTCCTTGGATCCCAACGATCAGGTGGCCATGGGAAGGCAGTGGCTTGAATCCAGAAGT  
 TACGAAGCAAAATCCACAAAAAAGTAGATAGGAAAGCCAGCAAAGGCAGGAAACTTCGGT  
 TTCATGTCCTTAGCAAGCTACTGAGTTTCATGGCACCTATTGACCATACTACAATGAATG  
 ATGATGCCAGGACAGAAGTGTACCGCTCTTTTTGGCCAGCTCCACCCTCCCGACGAAG  
 GCCACGGGGATTGACATCGCCACCTCCGACACCAAGTGGGCGCCTTGGCTGGTGCAGGCT  
 GCTGGTCCAGATGGAGGAAACCAGTGACTTTATGGGGCTGAGCTAGTAGGGAAGCCCTG  
 GAAAGATGCTGCGTTCCGAACCTGTGCCTAATACACGCAAGGGCGCTGTCCCGCCCAACC  
 CCGCCTTTAAACGCCACAAATAAAGAGCATTGTTACCGCCAAAAAAAAAAAAAAAAAAAA  
 AAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_012138

**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\\_012138.3](#), [NP\\_036270.1](#)

**RefSeq Size:** 2172 bp

**RefSeq ORF:** 1683 bp

**Locus ID:** 26574

**UniProt ID:** [Q9NY61](#)

**Cytogenetics:** 17q12

**Protein Families:** Druggable Genome, Stem cell - Pluripotency, Transcription Factors

**Gene Summary:** The protein encoded by this gene was identified on the basis of its interaction with MAP3K12/DLK, a protein kinase known to be involved in the induction of cell apoptosis. This gene product contains a leucine zipper, which is a characteristic motif of transcription factors, and was shown to exhibit strong transactivation activity when fused to Gal4 DNA binding domain. Overexpression of this gene interfered with MAP3K12 induced apoptosis. [provided by RefSeq, Jul 2008]