

Product datasheet for **SC115532**

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC115532 sequence for NM_012138 edited (data generated by NextGen Sequencing)

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ATGGCGGGGCGCAGCCCTGGCGCTGCAACTGGAACAGTTGTTGAACCCGCGACCAAGC
GAGGCGGACCCTGAAGCGGACCCCGAGGAAGCCACTGCTGCCAGGGTGATTGACAGGTTT
GATGAAGGGGAAGATGGGAAGGTGATTTCTAGTAGTGGGTAGCATTAGAAAACCTGGCA
TCAGCCTCCCTCTGGACACGGACAAAAGGTATTGCGGCAAAACCACTCTAGAAAAGCA
TGGAATGAAGACCATTGGGAGCAGACTCTGCCAGGATCGTCTGATGAGGAAATATCTGAT
GAGGAAGGGTCTGGAGATGAAGATTGAGAGGACTGGGTCTGGAGGAATATGATGAGGAC
GACCTGGGTGCTGCTGAGGAACAGGAGTGTGGTATCACAGGGAGAGCAAGAAGAGCAGA
AGCCACTCTGCAAAAACACCGGGCTTCAGTGTCAGAGTATCAGTGACTTTGAGAAATTT
ACCAAGGGAATGGATGACCTTGGGAGCAGTGAGGAGGAGGAAGACGAAGAGAGTGGCATG
GAAGAAGGGGATGACGCGGAAGACTCCCAAGGCGAGAGTGAGGAAGACAGGGCTGGAGAT
AGAAACAGTGAGGATGATGGTGTGGTATGACCTTCTCTAGTGCAAAGTTTCTGAGGAA
GTGGAGAAAGGAAGCCGTGAAGAACCAGATAGCACTGTGGGACCAGCTCTTGAAGGA
AGGATCAAACACAAAAGCTCTGTTGACCACCAACCAGCTTCTCAACCAGATGTTTTT
CCATTGTTCAAGGACAAAAGGTGGCCAGAAATTTCCAGTGCCCTGAAAAATAGTCACAAG
GCATTAAGCATTGTTGAGGTCATTGGTAGGTCTTCAGGAAGAGTTGCTTTTCCAGTAC
CCAGACACTAGATATCTAGTAGATGGGACAAAAGCCCAATGCGGGAAAGTGAGGAGATTTCT
AGTGAAGATGATGAGCTGGTAGAAGAGAAGAAGCAGCAACGAAGAAGGGTCCCTGCAAAG
AGGAAGCTGGAGATGGAGGACTATCCCAGCTTCATGGCAAAGCGCTTTGCCGACTTTACA
GTCTACAGGAACCGCACACTTCAGAAATGGCACGATAAGACCAAACCTGGCTTCTGGAAAA
CTGGGGAAGGGTTTTGGTGCCTTTGAACGCTCAATCTTGACTCAGATCGACCATATTCTG
ATGGCAAAAGAGAGATTACTTCGAAGGACACAGACCAAGCGCTGTCTATCGAGTTCTT
GGCAAACCTGAGCCAGCAGCTCAGCCTGTCCAGAGAGTTTCCAGGGGAACCGGAGATC
TTCTCTAAGCCCTGCTAATGCTCATCTGAAGGACTTGATGAAGAAATCTTTGATGAT
GATGACTTTTACCACCAGCTCCTTCGAGAACTCATAGAACGGAAGACCAGCTCCTTGGAT
CCCAACGATCAGGTGGCCATGGGAAGGCAGTGGCTTGCAATCCAGAAGTTACGAAGCAAA
ATCCACAAAAAGTAGATAGGAAAGCCAGCAAAGGCAGGAAACTCGGTTTTATGTCCTT
AGCAAGCTACTGAGTTTTCATGGCACCTATTGACCATACTACAATGAATGATGATGCCAGG
ACAGAAGTGTACCGCTCTTTTTGGCCAGCTCCACCCTCCCGACGAAGGCCACGGGGAT
TGA
    
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Clone variation with respect to NM_012138.3

5' Read Nucleotide Sequence: >OriGene 5' read for NM_012138 unedited

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AATACGACTCACTATAGGGCGGCGGAATCGGCACGAGGCTCGTGCCGAATTCGGCAGC
AGGCATTTACGTGCGCGAAGCGGAGTGGACCGGAGCTGGTGACGATGGCGGGGCGCAG
CCCCTGGCGCTGCAACTGGAACAGTTGTTGAACCCGCGACCAAGCGAGGCGGACCCTGAA
GCGGACCCCGAGGAAGCCACTGCTGCCAGGGTATTGACAGGTTTATGAAAGGGGAAGAT
GGGGAAGGTGATTTCTAGTAGTGGGTAGCATTAGAAAACCTGGCATCAGCCTCCCTCTTG
GACACGGACAAAAGGTATTGCGGCAAAACCACTCTAGAAAAGCATGGAATGAAGACCAT
TGGGAGCAGACTCTGCCAGGATCGTCTGATGAGGAAATATCTGATGAGGAAGGGTCTGGA
GATGAAGATTGAGAGGACTGGGTCTGGAGGAATATGATGAGGACGACCTGNGTGCTGCT
GAGGAACAGGAGTGTGGTATCACAGGGAGAGCAAGAAGAGCAGAAGCCACTCTGCAAAA
ACACCGGGCTTCAGTGTCCAGAGTATCAGTGACTTTGAGAAATTTACCAAGGGAATGGAT
GACCTTGGGAGCAGTGGAGAGGAGGAAGACGAAGAGAGTGGCATGGAAGAAGGGGATGAC
GCGGAAGACTCCCAAGCGAGAGTGAGGAAGACAGGGCTGGAGATAGAACAGTGAGATGAT
GGGTGTGGNGATGACCTTCTCTATGTCAAAGTTTCTGAGGAAGTGGAGAAAGAAAAGCC
GTGAAGACCAGNAAGCACTGTGGGACAGCTCTTGGAGGGAAGTCAACTACAAAAGCTCT
GTTGACCACAACAGCTTCTCAACAGAGTTTTCCATTGTCAGCACAAAGGTGCCANAATTTN
CAGTGCTGAAATAGTCCAGACTAAGCATTG
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_012138 unedited GGCCGCATTCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTGGCGGTAACAATGCTCTTTATT TGTGGCGTTTTAAAGGCGGGGTTGGGCGGGACAGCGCCCTTGCGTGTATTAGGCACAGGTT CGGAACGCAGCATCTTTCCAGGGGCTTCCCTACTAGCTCAGCCCCATAAAGTCACTGGTT TCCTCCATCTGGACCAGCAGCCGACCAGCCAAGGCGCCCACTGGGTGTCGGAGGTGGGC GATGTCAATCCCGTGGCCTTCGTGGGAGGGTGGAGCTGGCCAAAAAGAGAGCGGTACA GTTCTGCCTGGCATCATTCATTGTAGTATGGTCAATAGGTGCCATGAAACTCAGTA GCTTGCTAAGGACATGAAACCGAAGTTTTCTGCCTTTGCTGGCTTCTCTACTTTTT TGTGGATTTGCTTCGTAACCTTCTGGATTGCAAGCCACTGCCTTCCCATGGCCACCTGAT CGTTGGGATCCAAGGAGCTGGTCTTCCGTTCTATGAGTTCTCGAAGGAGCTGGTGGTAAA AGTCATCATCATCAAAGATTTCTTCATCCAAGTCTTCAGATGAGCATTAGCAGGGGCTT GAGGAAGGATCTCCGTTCCCCTGGCAAACCTCTCTGGGACAGGCTGAGCTGCTGGCTCAG GTTTGCCAAGAAGTTCGATAGACAGAGCGCTTGGTCTGTGTCTTCAAGTAATCTCTCTT TGTCATCAGAATATGGTCGATCTGAGTCAAGATTGAGCGTTCAAAGGCACCCAAAACAC TTCCCCNAGTTTCCAGAAGCCAGTNTTGGTCTTATCGTGCCATTTCTGAAGTGTGCGG TTCTGTAGACTGGTAAGTCCGCAAGCGCTTTGCCATGAGCTGGGATAGTCTCCATCT CCAGCTTCTCTTTCAGGACCCCTNCTCNGTGCTGCGTTCTTCTTCTACAGCTCATCA TCTTCACTAAAATCTCCTCCCTCCCGCATGG
Restriction Sites:	NotI-NotI
ACCN:	NM_012138
Insert Size:	2000 bp
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).
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_012138.2 , NP_036270.1
RefSeq Size:	2081 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]