

Product datasheet for **MC208158**

Atf1 (NM_007497) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Atf1 (NM_007497) Mouse Untagged Clone
Tag: Tag Free
Symbol: Atf1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208158 representing NM_007497
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGATTCCCAAGAGTAACACGACAGAGACTGCATCTCAGCCTGGTTCAACCGTTGCGGGGCCCTC
ACGTTTCTCAGATAGTACATCAGGTGTCATCGTTATCAGAAAGTGAGGAGTCTCAGGACTCATGACAG
CATAGGCTCCTCACAGAAAGCTCACGGGATCCTGGCCCGGCCCATCTACAGGAAAATTTTGAAGAC
CTCTTTCTGAAGATACACGGGGCAGAAAAGGGGAAGGAGAAAATCCAGCATTCTGCCATCACGTCTA
TGTCTGTTCCAGCCCCATCTATCAGACGAGCAGCGGACAGTACATTGCCATTGCCCAAACGGAGCCTT
ACAGTTGGCCAGTCCAAGCACGGATGGAGTGCAGGCACTGCAGACATTAACCATGACAAATCAAGCAGT
ACTCAGCAGGGGACGATCCTCCAGTATGCACAGACCTCTGACGGACAGCAGATACTCGTCCCAGCAACC
AGGTGGTGTACAGACTGCATCAGGAGATATGCAGACCTACCAGATCCGTACCACGCCGTCTGCCACGTC
TCTCCCGCAGACCGTGGTGTGACTTCTCCTGTGACTCTTGCATCTCAGACAACAAGACAGATGACCT
CAACTAAGAAGAGAAAATACGACTGATGAAAACAGAGAAGCTGCCGAGAGTGCCGCCGGAAGAAGAAGG
AGTACGTGAAGTGCCTGGAGAACCGTGTGCTGTTCTGAAAATCAAAATAAACTCTAATAGAGGAGCT
AAAGACTTTGAAGGACCTTTATTCTCATAAAAGTGTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_007497
Insert Size: 810 bp



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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_007497.3 , NP_031523.3
RefSeq Size:	2329 bp
RefSeq ORF:	810 bp
Locus ID:	11908
UniProt ID:	P81269
Cytogenetics:	15 F1
Gene Summary:	Binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in many viral and cellular promoters. Binds to the Tax-responsive element (TRE) of HTLV-I. Mediates PKA-induced stimulation of CRE-reporter genes. Represses the expression of FTH1 and other antioxidant detoxification genes. Triggers cell proliferation and transformation (By similarity).[UniProtKB/Swiss-Prot Function]