

Product datasheet for MR223254

Atf1 (NM_007497) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atf1 (NM_007497) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Atf1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR223254 representing NM_007497 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGATTCCCACAAGAGTAACACGACAGAGACTGCATCTCAGCCTGGTTCAACCGTTGCGGGGCCTC
ACGTTTTCAGATAGTACATCAGGTGTCATCGTTATCAGAAAGTGAGGAGTCTCAGGACTCATCTGACAG
CATAGGCTCCTCACAGAAAGCTCACGGGATCCTGGCCCGGCCCATCTACAGGAAAATTTGAAAGAC
CTCTCTTCTGAAGATACACGGGGCAGAAAAGGGGAAGGAGAAAATCCCAGCATTTCTGCCATCACGTCTA
TGCTGTTCCAGCCCCATCTATCAGACGAGCAGCGGACAGTACATTGCCATTGCCCAAACGGAGCCTT
ACAGTTGGCCAGTCCAAGCACGGATGGAGTGCAGGCACTGCAGACATTAACCATGACAAAATCAAGCAGT
ACTCAGCAGGGGACGATCCTCCAGTATGCACAGACCTCTGACGGACAGCAGATACTCGTCCCGAGCAACC
AGGTGGTGTACAGACTGCATCAGGAGATATGCAGACCTACCAGATCCGTACCACGCCGTCTGCCACGTC
TCTCCCGCAGACCGTGGTGATGACTTCTCCTGTGACTCTTGATCTCAGACAACAAGACAGATGACCCCT
CAACTAAGAAGAGAAAATACGACTGATGAAAAACAGAGAAGCTGCCCGAGAGTGCCCGCGGAAGAAGAG
AGTACGTGAAGTGCCTGGAGAACCGTGTGCTGTTCTGGAAAATCAAAAATAAACTCTAATAGAGGAGCT
AAAGACTTTGAAGGACCTTTATTCTCATAAAAGTGTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_007497.3](#), [NP_031523.3](#)

RefSeq Size: 2329 bp

RefSeq ORF: 810 bp

Locus ID: 11908

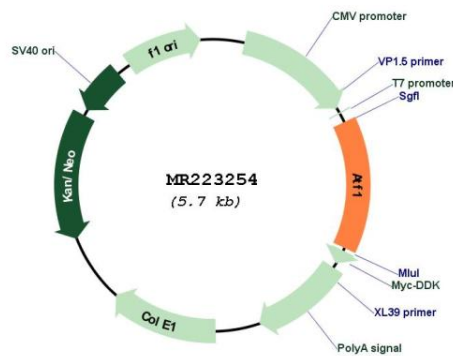
UniProt ID: [P81269](#)

Cytogenetics: 15 F1

MW: 29.2 kDa

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]

Product images:



Circular map for MR223254