

Product datasheet for **MR210116**

Atf6b (NM_017406) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atf6b (NM_017406) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Atf6b
Synonyms:	AA617266; ATF6beta; Creb-rp; Creb1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR210116 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGAGCTGATGCTCCTCAGCGAGATCGCCGACCCGACGCGCTTCTCACCGACAACCTGCTGAGTC
 CGGAGGACTGGGACAGCACCTTGTACAGTGGCCTGGATGAAGTGGCCGAGGAGCAGGCACAGTTGTTCCG
 TTGCGTGGAGCAGGATGTCCCGTTTGACAGCAGCTCTCTGGATGTGGGGATGGATGTCAGCCCCCTGAG
 CCCCCTTGGGACCCTCTACCCATCTTCCAGATCTTCAGGTGAAGTCCGAGCCATCCTCTCCCTGCTCGT
 CCTCTCCCTCAGCTCAGAGTCTCACATCTTCCACAGAGCCCCCAGCCAGGTCCTGGTGTAGGCGA
 GGTGCTGCATGTGAAGATGGAGTCCCTGGCACCCCACTCTGCCTGCTGGGGGATGATCCAGCATCCCC
 TTTGAAACGGTCCAGATCACTGTGGCTCTGCCTCTGATGATCTTTCAGATATCCAGACCAAGCTGGAAC
 CTGCCTCTCCGTCTTCTGTCCACTCTGAGGCTCCTTGTCTGTCAGCAGACTCTCCAGTCAGCCTTT
 TATAGGAGAGGAGTTCTGGAAGTGAAGACAGAGTCTCCGTCCCCTCCAGGGTGCCTCCTGTGGGATGTC
 CCAAGCCTCTTCGCTCGGAGCTGTCCAGATCAGCATGGGTCCATCCCCTGATAGTTCTCAGGGAAAAGCTC
 CGGCCACTCGGAAGCCTCCACTGCAGCCCAAGCCTGTGGTACTAACCCACAGTTCCGGTGCCACCTAGAGC
 TGGGCCTACCAGCGCTGCCGTCTCTGCAACCCCTGGTCCAGCAGCCTGCGGTGTCCCCAGTGGTCTCT
 ATCCAAGTGTATCCGAGTCCAGCCTGAAGGGCCAGCTCCCGCAGCTCCCGGCCCTGAGAGGAAGAGCA
 TTGTTCCAGCCCCATGCCGGGAACTCCTGCCCGCTGAAGTGGATGCAAAGCTGTTGAAGCGGCAGCA
 GCGGATGATCAAGAAATCGAGAGTCGGCTGCCAGTCCCGCCGAAGAAGAAAGAGTACCTGCAAGGCCTG
 GAGGCCCGGCTGCAGGCTGTGCTGGCCGACAACCAGCAGCTGCGCAGGGAGAACGCTGCCCTCCGGCGGC
 GGCTGGAGGCCCTGCTGGCAGAGAACAGCGGGCTCAAGCTGGGGTCTGGAACAGGAAGTTGTCTGCAT
 CATGGTCTTCTTCTTTCATTGCCTTCAACTTTGGGCCGTGTGAGCATCAGCGAGCCGCTCCAGTCCC
 ATGTCTCCTCGGATGAGCAGGGAGGAACCTCGACCCAGAGGCACCTGCTGGGCTTCTCAGAACCAGGGC
 CAGCTCATGGCATGGAACCCCTTCGGAAGCCGCCAGAGCCCCGGGGAGCAGCAGCCAGCTCTGCAGG
 CAGGCCAGCTTCAGAAACCTGACGGCCTTCCCGGGGAGCCAAGGAGCTGCTGCTGAGAGACCTGGAC
 CAGCTCTTCTCTCCTCAGACTGTCCGATTTCAACCGAACTGAGTCTCTGAGGCTTGTGATGAGCTGA
 GTGGCTGGGTCCAACGTACCAGAGAGGTCGACGGAAGATACCTCACAGGGCCAGGAGAGACAGAAGTC
 TCAGCTACGGAAGAAGTCTCCTCCAGTGAACCTGTCCCACCCAACCTCCAGGACCCCCGAAAGGGAC
 CCCGTGGGCCAGCTGCAGCTCTACCGCCACCCCGCCGCTCGCAGCCGGAGTTTCTAGACGCAATTGACC
 GGAGGGAGGATACCTTCTATGTTGTCTCCTTCCGAAGGGACCACCTGCTGCTCCCAGCCATCAGCCACAA
 CAAGACATCCAGGCCAAGATGTCGCTGGTGTGATGCCAGCCATGGCCCCAATGAGACCGTGTGAGGCCGG
 GGCCCCCAGGGGACTATGAGGAGATGATGCAGATCGAGTGTGAGGTGATGGACACCAGGGTGATTACAA
 TCAAGACCTCTACGGTCCCCCTCGCTCCGGAAGCAGCCGTCCCATCCCCGGGCAATACCACAGGTGG
 CCCCTTGGCAGGCTCCGAGCTAGTCTGCCATCAGGCTCCAGCCCTTACCTCAATCACCCC

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210116 protein sequence
Red=Cloning site Green=Tags(s)

MAELMLLSEIADPTRFFTDNLLSPEDWDSTLYSGLDEVAEEQAQLFRCVEQDVFPDSSSLDVGMDVSPPE
 PPWDPLPIFPDLQVKSEPPSPCSSSSLSSESSLSTEPSSQVPGVGEVLHVKMESLAPLCLLGDDPASP
 FETVQITVGSASDDLSDIQTKLEPASPPSSVHSEASLLSADSPSQFFIGEEVLEVKTESPSPGCLLWDV
 PASSLGAVQISMGPSPDSSSGKAPATRKPPPLQPKPVVLTTPVPPRAGPTSAAVLLQPLVQQPAVSPVVL
 IQGAIRVQPEGPAPAAPRPERKSIVPAPMPGNSCPPEVDKLLKRQRMINKNRESACQSRRKKEYLQGL
 EARLQAVLADNQLRRENAALRRRLEALLAENSLKLGSGNRKVVCMVFLLFIAFNFGPVSISEPPAP
 MSPRMSREEPRQRHLLGFSEPGPAHGMEPLREAAQSPGEQQPSSAGRPSFRNLTAFFGGAKELLRLDLD
 QLFLSSDCRHFNRTESLRLADELSGWVQRHQRRKIPHRAQERQKSQLRKKSPVPKPVPTQPPGPPERD
 PVGQLQLYRHPGRSQPEFLDAIDRREDTFYVVSFRRDHLLLPALSHNKTSRPKMSLVMPAMAPNETVSGR
 GPPGDYEEEMQIECEVMDTRVIHIKTSTVPPSLRKQSPSPGNTTGGPLPGAASPAHQASQPLYLNHP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_017406

ORF Size: 2100 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_017406.2](#), [NP_059102.1](#)

RefSeq Size: 2586 bp

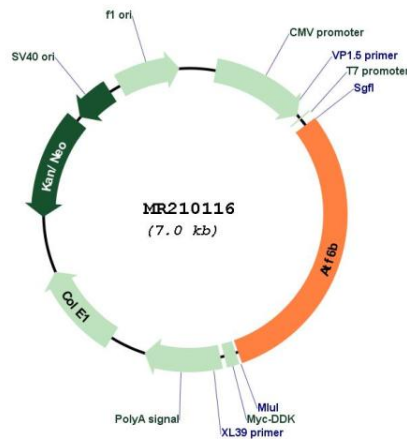
RefSeq ORF: 2121 bp

Locus ID: 12915

Cytogenetics: 17 18.22 cM

MW: 76 kDa

Product images:



Circular map for MR210116