

Product datasheet for **MC216015**

Atf7ip2 (NM_153123) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atf7ip2 (NM_153123) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atf7ip2
Synonyms:	4930558K11Rik; BC018510; Get-1; PSM2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216015 representing NM_153123
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAAGTCCAGACAGAAAAAGACAGAAGTTTTAAAGGCCAAGAAAACAATGCCTACAAGTTACCAGA
 AGCAGTTGGAGATCCTGAACAAGTCAACGAATGTTGAAGCTCCAAAAACAACAGTTGGAACATAATTCC
 AAATGGTCATAATCAGAAGATGTTTTCAAAAAACAAGAAAATGTTAAGGTCATGAAAGTTTCAGAGCAA
 ATTAATGAAAATGCTTGTGGGCTCTGGAAAGACATACAGCACTGCTAGAACAGGTTAAACATTGGATTC
 GACAGGAGATTTGCATGATAAAGTGAATTTATTTGATAAAAACTGAATGAATTGAATGAACGCATTGG
 GAAGACCCAGTGAAGAGTAGACATGAAGCAATAGCTGGTGAACCTTTTGTAAAAATAAGAAGACTTCAA
 AAACGCATCAAAACAGTATTATCATCTCAAAGAAATTGTTTGAACCAAAACACATTACCCAGTAATACAG
 TCTGTAAGGTTACAGATTCAGAGGCTATGAATTTGAATGTGACCCAAAAGTCAGTAAAAAGTCGAAGTAA
 AAGAATATCTTGTGAACCATAACCCCTTTAAACTCTTCAGAAAAAGCAGGTAGAAAAGACTAATTTGCCA
 TCAACTTGTGTTGAGTTTCTTCTGAAAGTAACACTGATGACGTTATGTTGATTTCTGTGAAAAATTCTA
 ATTTGACAACTTCAATTACATCAGAGCAAAACAGAAATTAGAAAAAATACATCAAGAAATTTGAGCAACT
 ACCTAATAGCATGATTAAGTTGGGCCCGTAGAGAAGAAATTTGATTTTGTATTGACTTGACAAGAGAA
 GGCCCGTCCAACACAGCATAGAAAGCCCATCTTTCACCTGAAGTCAACTTCGAAAGCTGTTTTAAGAT
 CAAAAGAAATAATTCCAGTGGCAGAAAAATGAAATGAGGGTTTTGGTTCATTTGAACACCTTCCACCTCT
 CCCAGAGCCACCAGCACCCTCCCTGAGATGGCAGACAAAATCAAAGATACACTTCTCCCAAAAGCCT
 GAGCTGAAAGTGAAGTGGTGCTGAGGCCACAAAGCATTGCCCTGACATGGAACATCCCAAGGTCACCC
 CCAACTGTGCGCCTGTGGAGAGTTACCACCTCTTCCTGTACTATGAGAAGTCTGATCACTGACGTGGAA
 GAAAATTCAGAAAATTAAGCTTTACCACCTCCCATGGCTTGCACCTTATCTCAGAATTTAGCTTCTACC
 AAGTATTATTTGCTGTCCAGTCAAAGACATTTTTGGGAGATATGGACCATTTGTAATATCAAATCTA
 TTCCTAGGTTTTCTGAAACCTTAC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1766_g06.zip

Restriction Sites: SgfI-MluI

ACCN: NM_153123

Insert Size: 1359 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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:	<u>NM_153123.2</u> , <u>NP_694763.2</u>
RefSeq Size:	2584 bp
RefSeq ORF:	1359 bp
Locus ID:	75329
UniProt ID:	<u>Q3UL97</u>
Cytogenetics:	16 A1
Gene Summary:	<p>Recruiter that couples transcriptional factors to general transcription apparatus and thereby modulates transcription regulation and chromatin formation. Can both act as an activator or a repressor depending on the context. Mediates MBD1-dependent transcriptional repression, probably by recruiting complexes containing SETDB1. The complex formed with MBD1 and SETDB1 represses transcription and probably couples DNA methylation and histone H3 'Lys-9' trimethylation (H3K9me3) activity (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and it encodes the longer protein (isoform 1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>