

Product datasheet for **MC211615**

Atf7ip2 (NM_029253) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Atf7ip2 (NM_029253) Mouse Untagged Clone
Tag: Tag Free
Symbol: Atf7ip2
Synonyms: 4930558K11Rik; BC018510; Get-1; PSM2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211615 representing NM_029253
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAAAGTCCAGACAGAAAAAGACAGAAGGTTTTAAAGGCCAAGAAAACAATGCCTACAAGTTACCAGA
AGCAGTTGGAGATCCTGAACAAGTCAACGAATGTTGAAGTCCAAAAACAACAGTTGGAATAATTTCC
AAATGGTCATAATCAGAAGATGTTTTCAAAAAACAAGAAAATGTTAAGGTCATGAAAGTTTCAGAGCAA
ATTAATGAAAATGCTTGTGGGGCTCTGGAAAGACATACAGCACTGCTAGAACAGGTTAAACATTGGATTC
GACAGGAGATTTGCATGATAAACTGTAATTTATTTGATAAAAACTGAATGAATTGAATGAACGCATTGG
GAAGACCCAGTGAAGAGTAGACATGAAGCAATAGCTGGTGAAGTCTTTGTAATAAAGAGACTTCAA
AAACGCATCAAAACAGTATTATCATCTCAAGAAATTGTTTGAACCAAAACACATTACCCAGTAATACAG
TCTGTAAGGTTACAGATTCAGAGGCTATGAATTTGAATGTGACCCAAAAGTCAGTTAAAAGTCGAAGTAA
AGAATATCTTCTGTGAACCATAACCCCTTTAAACTCTTCAGAAAAAGCAGGTAGAAAGACTAATTTGCCA
TCAACTTGTGTTGAGTTTGCTTCTGAAAGTAACACTGATGACGTTATGTTGATTTCTGTGAAAAATTCTA
ATTTGACAACCTCAATTACATCAGAGCAAAACAGAAATTAGAAAAATACATCAAGAAATTTGAGCAACTC
ACCTAATAGCATGATTAAGTTGGGCCCGTAGAGAAGAAATTTGATTTTGTATTGACTTGACAAGAGAA
GGCCCGTCCAACCTACAGCATAGGTAAGGATGTTTTTACATCTTTCTAAGTAAATGTAT**GTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_029253
Insert Size: 903 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:	<u>NM_029253.1</u> , <u>NP_083529.1</u>
RefSeq Size:	1047 bp
RefSeq ORF:	903 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 (2) uses different segments for its 3' coding region and 3' UTR, compared to variant 1. The resulting protein (isoform 2) has a shorter and distinct C-terminus when it is compared to isoform 1.</p>