

Product datasheet for **MC200851**

Atpif1 (NM_007512) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Atpif1 (NM_007512) Mouse Untagged Clone
Tag: Tag Free
Symbol: Atpif1
Synonyms: ATP5IF1; Atpi; If; IF(1); If1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC012680 sequence for NM_007512
 CCACGCGTCCGGTTCAGCCGCCCTCGCAGTTAGCGCGCTAGGAGAGAAGCAGCCACGCCCGCAACGCGAG
 CTGAGCAACGCCGAAGACAATGGCAGGCTCGGCCTGGCAGTTTCGGGCTCGGTTCCGGTGTCTGGGGTATG
 AAGGTCCTGCAAACCCGAGGCTTCGTCTCGGACTCGTTCGGATAGCATGGATACGGGCGCTGGCTCCATCC
 GAGAAGCTGGTGGAGCCTTCGGAACGAGAAAAGGCTGAAGAGGATCGGTACTIONCCGAGAGAAGACTAA
 AGAACAGCTGGTGCCCTGAGGAAACACCATGAAGATGAGATTGACCACCATTGGAAGGAGATAGAGCGT
 CTGCAGAAGCAAATTGAACGCCATAAGAAGAAGATCCAACAATAAAGAAATCATTGAATGCGCGCAG
 TCGGTCCTCACAGAGTGGCCCGTATCACTCCCCACGTCTGTAGACACATGGCTTTGAATGATTACTATT
 TGGTCTGTGTCTACTAACAGATAATAACGATCACCAGGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AA

Restriction Sites: RsrII-NotI
ACCN: NM_007512
Insert Size: 321 bp
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).



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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: [BC012680](#), [AAH12680](#)

RefSeq Size: 610 bp

RefSeq ORF: 321 bp

Locus ID: 11983

UniProt ID: [O35143](#)

Cytogenetics: 4 D2.3

Gene Summary: This gene encodes a member of the ATPase inhibitor family of proteins. This protein has been shown to negatively regulate the ATP hydrolysis activity of the F1Fo-ATPase. Knockdown of this gene is associated with reduced heme synthesis in differentiating erythroid cells. Misregulation of this gene has been found to lead to increased aerobic glycolysis in mouse cancer cells, while high expression levels of this gene have been correlated with gastric and liver cancer severity in human patients. A pseudogene of this gene has been identified. [provided by RefSeq, Apr 2015]