

Product datasheet for **RC220381**

ATPase Inhibitory Factor 1 (ATPIF1) (NM_178190) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ATPase Inhibitory Factor 1 (ATPIF1) (NM_178190) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ATP5IF1
Synonyms: ATP1; ATPIF1; ATP1P; IP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC220381 representing NM_178190
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

**ATGGCAGTGACGGCGTTGGCGGCGGGACGTGGCTTGGCGTGTGGGGCGTGAGGACCATGCAAGCCCGAG
GCTTCGGCTCGGATCAGTCCGAGAATGTCGACCGGGCGCGGGCTCCATCCGGGAAGCCGGTGGGGCCTT
CGGAAAGAGAGAGCAGGCTGAAGAGGAACGATATTTCCGACATTACAGGTTATGCTTTGAGATCTCTTTG
GGG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC220381 representing NM_178190
Red=Cloning site Green=Tags(s)

MAVTALAARTWLGWGVRTMQARGFGSDQSENVDRGAGSIREAGGAFGKREQAEEERYFRHYRLCFEISL
G

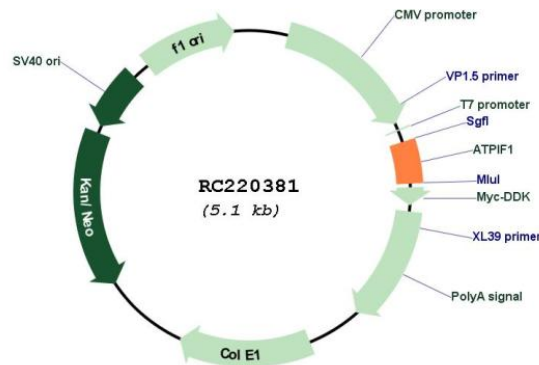
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_178190

ORF Size: 213 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:	<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:	NM_178190.3
RefSeq Size:	636 bp
RefSeq ORF:	216 bp
Locus ID:	93974
UniProt ID:	Q9UII2
Cytogenetics:	1p35.3
MW:	7.9 kDa
Gene Summary:	This gene encodes a mitochondrial ATPase inhibitor. Alternative splicing occurs at this locus and three transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Jul 2008]