

Product datasheet for **RG220381**

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: TurboGFP
Symbol: ATP5IF1
Synonyms: ATP1; ATPIF1; ATP1P; IP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG220381 representing NM_178190
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCAGTGACGGCGTTGGCGGCGGGACGTGGCTTGGCGTGTGGGGCGTGAGGACCATGCAAGCCCGAG
 GCTTCGGCTCGGATCAGTCCGAGAATGTCGACCGGGGCGGGCTCCATCCGGGAAGCCGGTGGGGCCTT
 CGGAAAGAGAGAGCAGGCTGAAGAGGAACGATATTTCCGACATTACAGTTATGCTTTGAGATCTCTTTG
 GGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG220381 representing NM_178190
 Red=Cloning site Green=Tags(s)
 MAVTALAARTWLGVWGVRTMQARGFGSDQSENVDRGAGSIREAGGAFGKREQAEEERYFRHYRLCFEISL
 G

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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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
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]