

Product datasheet for RG220381

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

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: ATPI; ATPIF1; ATPIP; IP

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG220381 representing NM_178190

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

GGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG220381 representing NM_178190

Red=Cloning site Green=Tags(s)

MAVTALAARTWLGVWGVRTMQARGFGSDQSENVDRGAGSIREAGGAFGKREQAEEERYFRHYRLCFEISL

G

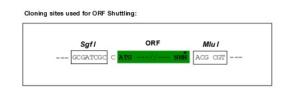
TRTRPLE - GFP Tag - V

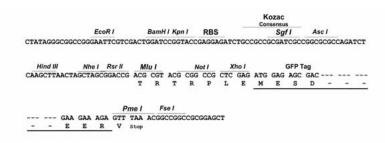
Restriction Sites: Sgfl-Mlul



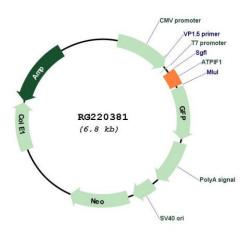


Cloning Scheme:





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



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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: 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 178190.3</u>

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]