

## Product datasheet for **SC110728**

### ATPase Inhibitory Factor 1 (ATPIF1) (NM\_178191) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ATPase Inhibitory Factor 1 (ATPIF1) (NM_178191) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATPase Inhibitory Factor 1
Synonyms:	ATPI; ATPIF1; ATPIP; IP
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_178191, the custom clone sequence may differ by one or more nucleotides

[ATGGCAGTGACGGCGTTGGCGGCGCGGACGTGGCTTGGCGTGTGGGGCGTGAGGACCATGCAAGCCCGAGGCTTCGGCTCGGATCAGTCCGAGAATGTCGACCGGGGCGCGGGCTCCATCCGGGAAGCCGGTGGGGCCTTCGGAAAGAGAGAGCAGGCTGAAGAGGAACGATATTTCCGGTGAGGCTCACCGGGTCCCAAGTCCA](#)

#### 5' Read Nucleotide Sequence:

>OriGene 5' read for NM\_178191 unedited  
TTGTAATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGGAGAGACTGCTTGCTGCGGCAGAGACGCCAGAGGTGCAGCTCCAGCAGCAATGGCAGTGACGGCGTTGGCGGCGCGGACGTGGCTTGGCGTGTGGGGCGTGAGGACCATGCAAGCCCGAGGCTTCGGCTCGGATCAGTCCGAGAATGTCGACCGGGGCGCGGGCTCCATCCGGGAAGCCGGTGGGGCCTTCGGAAAGAGAGAGCAGGCTGAAGAGGAACGATATTTCCGGTGAGGCTCACCGGGTCCCAAGTCCAGCCCTGGATCTCCAATGGCCTTCCAATCCTTAACTGCCAATCGCCCCACCCGTTCTCCTCCTGGTGCCTTGGGCGCCCCATCCCCAACAGAACTCCCGGGCCCAATCCAGTATACCTAACCCCTTGATGTCCCGACCGTTGCCACGTATAGGGCACTCCCAGTTACCTGCACAACAGTTTCAGGCCCCAAACCGTTTCCACCGCGGGTCTCCAAAACAACCCACGGCTCAACTCCCTCTTTATCATTACCATCTCCCGCGTGGAGTTCTCCTCAGGTCGTGCGAAACACCCCCAGATTCTTCGCACAGTGTCTAGATCCGACCGCCCAACGTTTGCCTCCAGCCTGACTCCCTCGGCCCTTACCCACCTGTCAACCNCTCTACGCTCTCCTTCTCGCCAGCACGCCTTAGCTTGCAAGCTGCATGCATTAGGCTTCTCAGGTGTTTCTAGACCCCGACTCCCGCAGAGTGAGGATGATGGGGAGCTGGTCAATGGGAGCTACTATGGTTGGACACATCTTCTAAGGCTGTGCTACTCAGCCACCTAGACTGTAGATTTCCCTCTCTGCTAGAGATTNGGAGGGGCTGGGCCTCCCTTTGCAAC

Restriction Sites: NotI-NotI



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<b>ACCN:</b>	NM_178191
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_178191.1</a></u> , <u><a href="#">NP_835498.1</a></u>
<b>RefSeq Size:</b>	1929 bp
<b>RefSeq ORF:</b>	183 bp
<b>Locus ID:</b>	93974
<b>UniProt ID:</b>	<u><a href="#">Q9UII2</a></u>
<b>Cytogenetics:</b>	1p35.3
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) includes an alternate segment that causes a frameshift, compared to variant 1. The resulting isoform (3) is shorter and has a distinct C-terminus, compared to isoform 1.</p>