

Product datasheet for **MC225671**

Atp5j (NM_001302214) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Atp5j (NM_001302214) Mouse Untagged Clone
Tag: Tag Free
Symbol: Atp5j
Synonyms: Atp5pf; CF6
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC225671 representing NM_001302214
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTTCTGCAGAGGATCTTCAGGCTCTCCTCTGTCTTCGGTCAGCAGTCTCTGTGCATTTGAAGAGGA
ACATTGGTGTTACAGCTGTGGCCTTTAATAAGGAACTTGATCCTGTACAGAACTCTTCGTGGACAAGAT
AAGAGAGTACAAATCAAAGCGACAGGCATCTGGAGGACCTGTTGATATTGGCCAGAGTATCAGCAAGAT
CTGGACAGAGAGCTTTAAGCTTAAACAAATGTATGGTAAAGGAGAGATGGATACATTTCTACCTTCA
AATTTGATGATCCAAATTTGAAGTCATCGACAAACCCAGTCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001302214
Insert Size: 327 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.



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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:	<u>NM_001302214.1</u> , <u>NP_001289143.1</u>
RefSeq Size:	654 bp
RefSeq ORF:	327 bp
Locus ID:	11957
UniProt ID:	<u>P97450</u>
Cytogenetics:	16 C3.3
Gene Summary:	<p>The protein encoded by this gene is a component of mitochondrial adenosine triphosphate synthase, which catalyzes the conversion of ATP from ADP. Mitochondrial adenosine triphosphate synthase consists of extrinsic and intrinsic membrane domains that are joined by a stalk. The protein encoded by this gene is a subunit of the stalk domain. A bi-directional promoter that drives expression of this gene has been identified. Pseudogenes of this gene are found on chromosomes 14 and 17. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2, 3, 4, 5, 6 and 7 encode the same protein.</p>