

Product datasheet for MC201094

Atp5j (NM_016755) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atp5j (NM_016755) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atp5j
Synonyms:	Atp5pf; CF6
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	<p>>BC010766 sequence for NM_016755</p> <p>CGCTCCCCGCCAGCCCGCTCCGCAACTCACCAGCTCCGGAATTCGTCCCGTGGCCCTAGCCCGCGCTTC CACAGCCGGCTGGGAACGGCGGCGGCGGCTCCAGGTACAGCGCTCTCCGGGCGAGCCGCGCGCTC CCGCGAGTAGCAGGAGGCGTCCGGTCGCAGACTCCCTTCGAGGCGCTTCTGTCCGGTGAGCGTCGAACG ACTGAAGCCGCGGCCATAGTGCCTTGCGATGGCGGGTAGGCGTGTGTAGCGGAGCCAGGCGCGGAAGT AGAACGGTGGCGGCGGCGGTGACTCTGGCAGCTCGGGACTCAGTCAAGTACAGAGACTCAGCCATGGTT CTGCAGAGGATCTTCAGGCTCTCTCTGTCTTCGGTCAGCAGTCTCTGTGCATTTGAAGAGGAACATTG GTGTTACAGCTGTGGCCTTTAATAAGGAACTTGATCCTGTACAGAACTCTTCGTGGACAAGATAAGAGA GTACAAATCAAAGCGACAGGCATCTGGAGGACCTGTTGATATTGGCCAGAGTATCAGCAAGATCTGGAC AGAGAGCTTTATAAGCTTAAACAAATGTATGGTAAAGGAGAGATGGATACATTTCTACCTTCAAATTTG ATGATCCCAAATTTGAAGTCATCGACAAACCCAGTCCTGAGGAACATACAAATCCATGTGGTAATTTG TCATGAATTAGTTGTACAACTAATCAAAAAATTCAAATAAACATTCATTTACAGTTAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAAAAAAAAAAA</p>

Restriction Sites: RsrII-NotI

ACCN: NM_016755

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).

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).



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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: [BC010766](#), [AAH10766](#)

RefSeq Size: 797 bp

RefSeq ORF: 327 bp

Locus ID: 11957

UniProt ID: [P97450](#)

Cytogenetics: 16 C3.3

Gene Summary: 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]
 Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2, 3, 4, 5, 6 and 7 encode the same protein.