

## Product datasheet for **MG200403**

### Atp5j (BC010766) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Atp5j (BC010766) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Atp5j  
**Synonyms:** CF6  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG200403 representing BC010766  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTTCTGCAGAGGATCTTCAGGCTCTCCTCTGTCTTCGGTCAGCAGTCTCTGTGCATTTGAAGAGGA  
ACATTGGTGTACAGCTGTGGCCTTTAATAAGGAACTTGATCCTGTACAGAACTCTTCGTGGACAAGAT  
AAGAGAGTACAAATCAAAGCGCAGGCATCTGGAGGACCTGTTGATATTGGCCAGAGTATCAGCAAGAT  
CTGGACAGAGAGCTTTAAGCTTAAACAAATGTATGGTAAAGGAGAGATGGATACATTTCTACCTTCA  
AATTTGATGATCCAAATTTGAAGTCATCGACAAACCCAGTCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG200403 representing BC010766  
Red=Cloning site Green=Tags(s)  
MVLQRIFRLSSVLRSAVSVHLKRNIGVTAFAFNKELDPVQKLFVDKIREYKSKRQASGGPVDIGPEYQQD  
LDRELYKQMYGKGEMDTFPTFKFDDPKFEVIDKPQS

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** BC010766

**ORF Size:** 326 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](#)

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

**RefSeq Size:** 797 bp

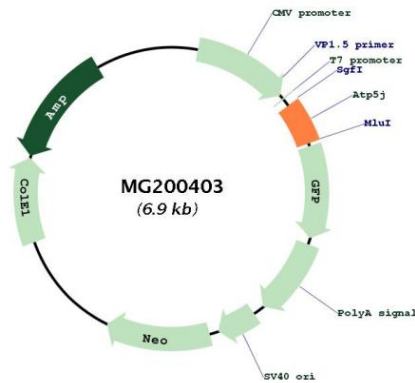
**RefSeq ORF:** 326 bp

Locus ID: 11957

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]

**Product images:**



Circular map for MG200403