

## Product datasheet for MR227881

### Atp5j (NM\_001302213) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Atp5j (NM\_001302213) Mouse Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Atp5j  
 Synonyms: Atp5pf; CF6  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >MR227881 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGTTCTGCAGAGGATCTTCAGGCTCTCCTCTGTCTTCGGTCAGCAGTCTCTGTGCATTTGAAGAGGA  
 ACATTGGTGTACAGCTGTGGCCTTTAATAAGGAACTTGATCCTGTACAGAACTCTTCGTGGACAAGAT  
 AAGAGAGTACAAATCAAAGCGCAGGCATCTGGAGGACCTGTTGATATTGGCCAGAGTATCAGCAAGAT  
 CTGGACAGAGAGCTTTAAGCTTAAACAAATGTATGGTAAAGGAGAGATGGATACATTTCTACCTTCA  
 AATTTGATGATCCCAAATTTGAAGTCATCGACAAACCCAGTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227881 protein sequence  
 Red=Cloning site Green=Tags(s)  
 MVLQRIIFRLSSVLRSAVSVHLKRNIGVTAVAFNKELDPVQKLFVDKIREYKSKRQASGGPVDIGPEYQQD  
 LDRELYKLLKQMYGKGEMDTFPTFKFDDPKFEVIDKPQS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_001302213

**ORF Size:** 327 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:** [NM\\_001302213.1](#), [NP\\_001289142.1](#)

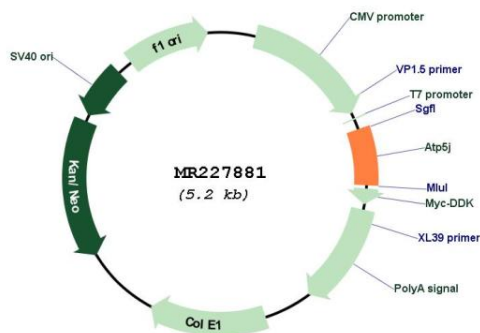
**RefSeq Size:** 875 bp

**RefSeq ORF:** 327 bp

**Locus ID:** 11957  
**UniProt ID:** [P97450](#)  
**Cytogenetics:** 16 C3.3  
**MW:** 12.5 kDa

**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 MR227881