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Product datasheet for MC207034

Atp5g1 (NM_001161419) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atp5g1 (NM_001161419) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atp5g1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC207034 representing NM_001161419 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCAGACCACCAAGGCACTGCTCATTTCTCCAGCTCTGATTCGCTCCTGTACCAGGGGTCTAATCAGGC CTGTGTCTGCCTCCCTCCTGAGCAGACCAGAGGCCCCATCTAAGCAGCCTTCCTGCAGCAGCTCCCCTCT CCAGGTGGCCCGACGGGAATTCCAGACCAGTGTCATTTCCCGGGACATCGACACAGCAGCCAAGTTCATT GGTGCTGGGGCCGCCACAGTTGGTGTGGCTGGATCAGGAGCTGGCATTGGCACAGTGTTTGGTAGCTTGA TTATTGGCTATGCCAGGAACCCATCTCTCAAGCAGCAGCTCTTCTCCTATGCCATTCTGGGGTTTGCCCT GTCTGAGGCCATGGGACTCTTCTGTTTGATGGTCGCCTTCCTCATCCTCTTCGCCATGTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001161419
Insert Size:	411 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:	NM_001161419.1, NP_001154891.1
RefSeq Size:	805 bp
RefSeq ORF:	411 bp
Locus ID:	11951
UniProt ID:	Q9CR84
Cytogenetics:	11 D
Gene Summary:	Mitochondrial membrane ATP synthase (F(1)F(0) ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is generated by electron transport complexes of the respiratory chain. F-type ATPases consist of two structural domains, F(1) - containing the extramembraneous catalytic core and F(0) - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F(1) is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F(0) domain. A homomeric c-ring of probably 10 subunits is part of the complex rotary element (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) has an alternate 5' UTR exon, as compared to variant 1.

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