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Product datasheet for SC105893

ATP5L (BC015128) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATP5L (BC015128) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATP5L
Synonyms:	ATP5JG; ATPase subunit G; ATP synthase, H+ transporting, mitochond; ATP synthase, H+ transporting, mitochondrial F1F0, subunit g; ATP synthase g chain, mitochondrial; F1F0-type ATP synthase subunit g; F1Fo-ATP synthase complex Fo membrane domain g subunit
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for BC015128, the custom clone sequence may differ by one or more nucleotides

ATGGCCCAATTTGTCCGTAACCTTGTGGAGAAGACCCCGGCGCTGGTGAACGCTGCTGTGACTTACTCGA
AGCCTCGATTGGCCACATTTTGGTACTACGCCAAGGTTGAGCTGGTTCCTCCCACCCCTGCTGAGATCCC
TAGAGCTATTCAGAGCCTGAAAAAAATAGCCAATAGTGCTCAGACTGGTAGCTTCAAACAGCTCACAGTT
AAGGAAGCTGTGCTGAATGGTTTGGTGGCCACTGAGGTGTTGATGTGGTTTTATGTCGGAGAGATTATAG
GCAAGCGGGGCATCATTGGCTATGATGTTTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for BC015128 unedited
AATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGCGGGTCCTTCCGGCGGGTG
ACATTCAGCCGGCGGTTCGGGGCGACGGACTCTCCATTCCAGAACCATGGCCCAATTTGT
CCGTAACCTTGTGGAGAAGACCCCGGCGCTGGTGAACGCTGCTGTGACTTACTCGAAGCC
TCGATTGGCCACATTTTGGTACTACGCCAAGGTTGAGCTGGTTCCTCCCACCCCTGCTGA
GATCCCTAGAGCTATTCAGAGCCTGAAAAAAATAGTCAATAGTGCTCAGACTGGTAGCTT
CAAACAGCTCACAGTTAAGGAAGCTGTGCTGAATGGTTTGGTGGCCACTGAGGTGTTGAT
GTGGTTTTATGTCGGAGAGATTATAGGCAAGCGGGGCATCATTGGCTATGATGTTTGAAG
ACCAATCTTTAACATCTGATTATATTTGATTTATTATTTGAGTGTTGTTGGACCATGTGT
GATCAGACTGCTATCTGAATAAAATAAGATTTGTCAAAACTCAGTGTTTTCTCCATCAGA
TACTCCATGAAAGGTCACAATTTCTCTTGATATTAAGCTGGGTTGTCTTTAAACAACCCT
AAATACACGTCTGTTTAGCCCGCAATTGGAAAGGATATATGTGGCAATATTAACCTGGTA
CATGAATATATGGNGATAACATTTTAATTTGAAGGTTTGGAATATATATATTTAAGCTTT
ATTTCCAGAACAGTGAGGGTTAGGTCTTGGGAAAACTATACTGCCANAGTAGAAGAATAG
TAGTACATATGCANAGTGATAGAATGAATCTGTCAGTAGTTGAATACATTTCACTGGTTT
CTTGCTAAATACAGAAGACCTATGACACCTCTAGTCTGTAAATGTANAGACTGTCATCTG
AATTACCTCCCAGAAGACAGTTGTATCTAAT

3' Read Nucleotide Sequence:

>OriGene 3' read for BC015128 unedited
GTACATCTAGNNACCGCGGCCGCATGCTAGNGATCGATTATTTTTTTTTTTTTTTTTTT
TTTATAGCAATCATTTCATTTATTTCAGGGAATAATATACTATTTAGATCCAGGGAAGAT
GCTAAATTATAACCTTGTTTAAATATCTTTGGGGTATTTTGTTTTTGCAAAGGTAGTAAA
ACCAGACAAACGAATAACACACATAAAAATCAGATTTCACATGTATGGCTCTGTCCTACT
GCTAAAGATGTTACAAAGAAACATACTTAGAATACCACCCTGTTCTCTCTTGGGGAGGCT
ATATTCAAGATGACAAGTACTCTAACATTTTTACAGACATAGATGTTGTCAATAGGGTCT
TTCTGTGATTTTAGCAAAGAAAACAGTTGAAATGTTATTCTAACTACTGACATGATTCAT
CTCTATCACTTTGGCATATGGTACTACTATTTCTTCTACTTTGGCAAGTTATAGTTTTCC
CAAGACCTAACCCTCACTGTTCTGGAAATAAAGCTTAAATATATATATTCCAAACCTTCA
AATTAAAATGTTATCCCCATATATTCATGTACCAGGTTAATATTGCCACATATATCCTTT
CCAATTGCGGGCTAAACAGACGTGTATTTAGGGTTGTTTAAAGACNACCCAGCTTAATAT
CAAGAGAAATTGTGACCTTTCATGGAGTATCTGATGGAGAAAACACTGAGTTTTGACAAA
TCTTATTTTATTCAGATAGCAGTCTGATCACACATGGTCCAACAACACTCAAATAATAAA
TCAAATATAATCAGATGTTAAAGATGGGTCTTCAAACATCATAGCCCAAGATGCCCCGCT
TGCCTATAATCTCTCCCGACTAAAACCACCTCAACACCTCAGTGGCCACCAACCATTCAG
CACAGGTTTCTTTAATGGGGAGCGGTTT

Restriction Sites: NotI-NotI

ACCN: BC015128

Insert Size: 1200 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).

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:	BC015128.1, AAH15128.1
RefSeq Size:	1154 bp
RefSeq ORF:	312 bp
Locus ID:	10632
Cytogenetics:	11q23.3
Domains:	ATP-synt_G
Protein Pathways:	Metabolic pathways, Oxidative phosphorylation
Gene Summary:	Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. It is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, which comprises the proton channel. The F1 complex consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled in a ratio of 3 alpha, 3 beta, and a single representative of the other 3. The Fo seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene encodes the g subunit of the Fo complex. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Jun 2010]