

Product datasheet for **SC201302**

ATP5A (ATP5A1) (NM_001001937) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ATP5A (ATP5A1) (NM_001001937) Human 3' UTR Clone
Symbol:	ATP5A
Synonyms:	ATP5A; ATP5A1; ATP5AL2; ATPM; COXPD22; hATP1; HEL-S-123m; MC5DN4; MOM2; OMR; ORM
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001001937
Insert Size:	2000 bp



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Insert Sequence: >SC201302 3'UTR clone of NM_001001937
 The sequence shown below is from the reference sequence of NM_001001937. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ACAAATTTCTGGCTGGATTTGAAGCTTAACTCCTGTGGATTACATCAAATACCAGTTAGTTTTGT
CATTGTTCTAGTAAATTAGTTCATTTGTAAGGGTTACTCTCATACTCCTTATGTACAGAAATCACA
TGAAAAATAAAGGTTCCATAATGCATAGTTGTTTTCTGTCATTTGTGTTATTCTTTAAAACCAAGATCA
AATTGAGAAATTGGTAAGCAAATGCTTCTTGATCTATTTTACTTGAATATTGGTACAGTCAACTGGGCT
AGATAATTCAAGGCTGAGCTCTTTGTAAGTTTTTTTTTTGTTTTTTTTTTGAGACTGATTCTCACTCT
GTCAGTGGGCTGGAGTGCAGTGGCACCCTGTCGGCCACTGCAACCTCCGTCTCCGGGTTCAAGCAAT
TCTCTTGCCCTCAGCCTCCACGTAGCTGGGATTACAGGTGCCACCACCACGCCTGGCTAGTTTTTTAG
TATTTTTAGTAGAGACGGGGTTTACCATGTTGGCCAGGCGGTACGAACCTCTGACCTCAGGTGATC
CACCTGCCTTGGCTACCTACCACAGTGTGGGATTACAGGTGTGAGCCACCGCACCCGGCTGCTCTTT
GTAAGTTTCTAGAGTACTTTGTGTTAAGAGAAATTCCTAAACTGGATATATGTGGCAGGCTGACAATA
CTGAAGAGCATAGCTGGCTTCTCTGCCAGAGGATGTACCTGCATAAAGAGGTAAGTGTAGGCAGGAAAA
TAATAGGACAGTTAAAATTTCTCAGGAAATGAAAAATGCTGGAACAAAAGCTGAGAAGATAGAATGC
ATAGGATTATGAAAATTTGTCAATATCTCTTTGTTTGTGTTTGTGACAGGGTCTCCATCTCTCACCC
AGGCTGGAGTACAGTGGTGTGATCTCAGCTCACTGCAGCTTCTGCCACCTGGGTTCAATTGATTCTTCC
ACCTCAGCCTCCTGAGTAGCTGGGGTTACAGGCACATAACCACCAGCCAGCCAATTTTTCTACTTTTT
GTAGAGGGAGGGTCTTGCCATGTTGTCCAGGCTGATGATGAACTCCTTGGCTCAAGTATCCTCCTGCC
TTGGTCTCCCAAAGTGTGGGATTACAGGTGTGAACTACCATGCCCGGCCATCTTTTAATATTTTACACA
GCTACTTTATTTCTCTGTTACTAGCTTTTATAGCCTTTGCTCATTCTTACTGCATTAATTTTTTTTT
ACTGATTTATTTATTTTTTTGAGACAGAGTCTTGTCTGTACCTAGGCTGGAGAGCAGTGGCGTAATC
TCAGCTCACTGCACCTTTACCTCCTGGGTTCAAGCGATTCTCCTGCCTTAGCCTCCCAATTAGCTGGG
ACCACAGGCCATGCCACCACACCCGGTAACATTTTGTATTTTATAGTAGAGACAAGGTTTACCATGT
TGGCCATGCTGCTCTTGAGCTCCTGACCTCGTGGTCTGCCCGCTCAGCTTCCCAAAGTGTGGGATTA
CAGGTGTGAGCCACCACGCCAGCCTACTGATTTATTTATTTACTTTAATTTTTTATAGCCTTTGCTC
ATTCTTAATGTGTACCTTTTTTTTTACTTAGTTATTTATTTATTTGAGATGGAGTCTCCGTCGTCAG
GCTGGAGTGCAGTGACCTGATCTTGGCTCACTGCAACCTCTGCCTCCAGGTTCAAGCAATTCCTGCC
TCAGCCTCCCGAGAAGCTGGAACACAGGCACCACCACCATGCCCTGCTAATTTTTGTATTTTATAGTA
GAGGCGGGGTTTACCATATTGGCCAGGCTGGTCTCGAACTCCTGACCTTGTGATCTGCCTGCCCTGGC
CTCCCACAGTGTGGGATTACAGGTGTGAGCCACCACCTGGCCTTTTTTTTTTTTTTTTGGAGACGGA
GTCTCACTGTCTCCAGGCTGGAGTGCAGTGGTGCATGTCCGGCTCACTGCAAGCTCTGCCCCCTGGG
ACGCGT AAGCGGCCGCGGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_001001937.2](#)

Summary:

This gene encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, using an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. ATP synthase is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, comprising the proton channel. The catalytic portion of mitochondrial ATP synthase consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and a single representative of the other 3. The proton channel consists of three main subunits (a, b, c). This gene encodes the alpha subunit of the catalytic core. Alternatively spliced transcript variants encoding the different isoforms have been identified. Pseudogenes of this gene are located on chromosomes 9, 2, and 16. [provided by RefSeq, Mar 2012]

Locus ID:

498

MW:

72.5