

Product datasheet for **SC201301**

ATP5A (ATP5A1) (NM_004046) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ATP5A (ATP5A1) (NM_004046) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ATP5F1A
Synonyms:	ATP5A; ATP5A1; ATP5AL2; ATPM; COXPD22; hATP1; HEL-S-123m; MC5DN4; MOM2; OMR; ORM
ACCN:	NM_004046
Insert Size:	2000 bp



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Insert Sequence: >SC201301 3'UTR clone of NM_004046
 The sequence shown below is from the reference sequence of NM_004046. 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
AGATAATTCAAGGCTGAGCTCTTTGTAAGTTTTTTTTTTGTTTTTTTTTTGAGACTGATCTCACTCT
GTCAGTGGGCTGGAGTGCAGTGGCACCCTGTCGGCCACTGCAACCTCCGTCTCCGGGTTCAAGCAAT
TCTCTTGCCCTCAGCCTCCACGTAGCTGGGATTACAGGTGCCACCACCACGCCTGGCTAGTTTTTTAG
TATTTTTAGTAGAGACGGGGTTTACCATGTTGGCCAGGCGGTACGAACCTCCTGACCTCAGGTGATC
CACCTGCCTTGGCTACCTACCACAGTGTGGGATTACAGGTGTGAGCCACCGCACCCGGCTGCTCTTT
GTAAGTTTCTAGAGTACTTTGTGTTAAGAGAAATTCCTAAACTGGATATATGTGGCAGGCTGACAATA
CTGAAGAGCATAGCTGGCTTCTCTGCCAGAGGATGTACCTGCATAAAGAGGTAAGTGTAGGCAGGAAAA
TAATAGGACAGTTAAAATTCAGGGAATGAAAAATGCTGGAACAAAAGCTGAGAAGATAGAATGC
ATAGGATTATGAAAATTTGTCAATATCTCTTTGTTTGTGTTTGTGACAGGGTCTCCATCTCTCACCC
AGGCTGGAGTACAGTGGTGTGATCTCAGCTCACTGCAGCTTCTGCCACCTGGGTTCAATTGATTCTTCC
ACCTCAGCCTCCTGAGTAGCTGGGGTTACAGGCACATAACCACCAGCCAGCCAATTTTTCTACTTTTT
GTAGAGGGAGGGTCTTGCCATGTTGCCAGGCTGATGATGAACTCCTTGGCTCAAGTATCCTCCTGCC
TTGGTCTCCCAAAGTGTGGGATTACAGGTGTGAACTACCATGCCCGCCATCTTTTAATATTTTACA
GCTACTTTATTTCTCTGTTACTAGCTTTTATAGCCTTTGCTCATTCTTACTGCATTAATTTTTTTTT
ACTGATTTATTTATTTTTTTGAGACAGAGTCTTGTCTGTACCTAGGCTGGAGAGCAGTGGCGTAATC
TCAGCTCACTGCACCTTTACCTCCTGGGTTCAAGCGATTCTCCTGCCTTAGCCTCCCAATTAGTGGG
ACCACAGGCCATGCCACCACACCCGGTAACATTTTGTATTTTATAGTAGAGACAAGGTTTACCATGT
TGGCCATGCTGCTCTTGAAGCTCCTGACCTCGTGGTCTGCCCGCTCAGCTTCCCAAAGTGTGGGATTA
CAGGTGTGAGCCACCACGCCAGCCTACTGATTTATTTATTTACTTTAATTTTTTATAGCCTTTGCTC
ATTCTTAATGTGTACCTTTTTTTTTACTTAGTATTTATTTATTTGAGATGGAGTCTCCGTCGTCCAG
GCTGGAGTGCAGTGACCTGATCTTGGCTCACTGCAACCTCTGCCTCCAGTTCAAGCAATTCCTCCTGCC
TCAGCCTCCCGAGAAGCTGGAACACAGGCACCACCACCATGCCCTGCTAATTTTTGTATTTTATAGTA
GAGGCGGGGTTTACCATATTGGCCAGGCTGGTCTCGAACTCCTGACCTTGTGATCTGCCTGCCTGGC
CTCCCACAGTGTGGGATTACAGGTGTGAGCCACCACCTGGCCTTTTTTTTTTTTTTTTGGAGACGGA
GTCTCACTGTCTCCAGGCTGGAGTGCAGTGGTGCATGTCCGGCTCACTGCAAGCTTGCCTCCCTGGG
ACGCGT AAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
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_004046.6](#)

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