

Product datasheet for **SC201679**

ATP5F1E (NM_006886) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ATP5F1E (NM_006886) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ATP5F1E
Synonyms:	ATP5E; ATPE; MC5DN3
ACCN:	NM_006886
Insert Size:	2000 bp



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Insert Sequence: >SC201679 3'UTR clone of NM_006886
 The sequence shown below is from the reference sequence of NM_006886. 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
GTAAAAATTGTGAAAGTAAAGAAGGAATAATCTACCCTGACTAAAGCTTGAAATGCTACATTTCCAAGG
TGAAAGATGTGTGGGCACATGTTATGGCAGATTGAAAAGGATCTCATTCCATGGGAAAAAAAAAATCCT
GTCTTGTTCATAAATTGACAATGTCAATAAATTGAAATATGGTTCAGTGTACTCTTGATTTTAGTTTG
TGAGACTTTTTTCATTTCTTTAAAGGAAGTGTCTGCACAGCTGCATGATTATGGCCATGTGAACCAGGG
TTTTCTAAAGCAGGGGAAGCCAGATTTAATATTTAGTGACCAAAGGGATACAGAAAGCATTTTGAAAA
TGTCTCAAATAGTTGTTTCATGACATTAATTGGTGATCAAATATCTGCTGTCATTGAGGCTTCGTA
GTCCTTATTTTTGAATTGTTGTCATGTCAGAATAATGACATGGTTATCAGTAACAAATGGAATAAATT
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AGCCTATAGATAAGAACGGTTACAGAATTAAGCACAAAGTGTTTTTACATTGTTTTGAAATGAATC
TTTATACTCTGGTAGCATTCTCATAGGAAATGAGGCAAAGCTATTGAATAAATTGCTCATTGAGTTGA
TGGCAAACCTGAAATAAAACCTAGGAGTTTTGACTGCAAGTCTGGGACACGGTGACCACAACAGCAGT
TTCGTGGTATTTCCATAGTGATTCATTCATTATTTAGGGATGAAAAATTGTTGCAAGTTATGTTT
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ATTCTCAGCACAGAGCGAGCAGGGAGGCAGGCCAATTGAGTGGAAAGAGGGTGCCCTCTGGAAAAACAGCA
GGTTAGGAGCCCTTGGAGTCTCCGCTCGGAGCTGTCATCCTGCTGTTGGCAAGTTAGGACACCTCAG
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TGGCATAGTAGATTGCTAGTATATTGGTAGATTATTGGTATATAGATGGTATGTTAAGGAGGCAGATGG
GGTATTACTGGTATATAGATGGTATGGTAGATTGGTAGTATATTGGCAGATTATTGGTATATGGTATGT
TGAGGCAGATGGGGTATTACTGGTATATAGATGGCATAGTAGATTGGTAGTATATTGGTAGATTATTGG
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GATATGAAAGGAGTGAAGTCACTGAGTAAAAGACAAGTTTACTGTCAGCAGAGATTCTTAGAGGCTCT
TTTCTCCGTGATTAATAAAAAATCCTAAACCAGTAGTATAATAAACTTCCCTGCCTCCAGCAGTGTGGG
TAGCTGGCAGGATGACTGTGCCAGTGATGAGGTGACCCAGTCAGACCAACTTAATGAGTATCCCACT
AATTAGTTGGATGATGTTGAAGCTGTCAGTAACTCTTAGTTACATCGTTCTTGTGAGCAAAGTG
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
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_006886.4](#)

Summary:

This gene encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing 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 epsilon subunit of the catalytic core. Two pseudogenes of this gene are located on chromosomes 4 and 13. Read-through transcripts that include exons from this gene are expressed from the upstream gene SLMO2.[provided by RefSeq, Mar 2011]

Locus ID:

514

MW:

76.2