

Product datasheet for **SC211137**

ATP5PB (NM_001688) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ATP5PB (NM_001688) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ATP5PB
Synonyms:	ATP5F1; PIG47
ACCN:	NM_001688
Insert Size:	1809 bp



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Insert Sequence: >SC211137 3'UTR clone of NM_001688
 The sequence shown below is from the reference sequence of NM_001688. 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
AAGAAGGCTCAAGCACAGCCAGTTATGTAATGTATCTATCCCAATTGAGACAGCTAGAAACAGTTGAC
TGACTAAATGGAACTAGTCTATTTGACAAAGTCTTTCTGTGTTGGTGTCTACTGAAGTTATAGTTTAC
CCTTCTAAAAATGAAAAGTTTGTTCATATAGTGAGAGAACGAAATCTCTATCGCCAGTCAGATGTT
TCTCATCCTTCTGCTCTGCCTTTGAGTTGTTCCGTGATCACTTCTGAATAAGCAGTTTGCCTTTATAA
AACTTGTCTGCCTGACTAAAGATTAACAGGTTATAGTTTAAATTTGTAATTAATTCTACCATCTTGCAA
TAAAGTGACAATTGAATGAAACAGGGTTTTCAAGTTGTATAATTCTCTGAAATACTCAGCTTTTGTCA
TATGGGTAATAAAGATGTCATTGAACTACTGTCTTGTATGAGACCATTGAGTGGTGAAGTGT
TCTGGCTGATAGTTATGAGATATGTAAGCTTTCTAGTACTCTAAAATAACTAAATGGAGTATTATA
TATCAATTCATATCATTGACTTTATTATTTAGTAGTATGCCTATAGAAAATATTATGGACTCAGAGTG
TCATAAATCACTCTTAAGAATCCATGCAGCAGGCCAGGCACAGTGGCTCACACCTGTAATGCCTGCAC
TTTGAAAGGCCGAGACAGGCCGATCACTTGAGGTGAGGAGTTTAAAACCAGCCAGGCCAACACAGTGAA
ACCCTGTCTCTACTAAAAATACAAAAGTTAGCCGGGCATGGTGGCAGGCCGCTGTAATCCCAGCTACT
CAGGAGGCTGAGGCAGGAGAATTGCTTGAACGCAGGAGGCAAAGTTGCAGTGAGCTGAGATCACGCCA
CTGCACTCCAGCCTGGGCAACAGACCTCGACTCCATCTAGAAAAAAAAAAAAAAAAATCCAGCAGACAC
CTATCAGGAACATAGAAAATAACAAGTGTGGCAAGGAAGTGGAGAAGTTGGAACACTTGTGCACTGTT
CGTAGAAAATAGAAATGGTACAGCCATTATGAAAAGTGTGGTATTCTCATAAAAATTTAAATGGAAA
TACCATGATCCAGCAATCCAGTCGACATATATACTCAAAAAAAAAATAAAGCAGGGTCTTGAAGAGATA
CTTGTTCCATGGTATAGCAGCCATTGTTACAATAGCTAAAACATAGAAGCAGCCCAATCGGCCAT
CAGTAGATGAATGGATAAGCAAAATGTAGTATATCCATGCAATGGAATATTATTCCACTTCAAGGAAGA
AAATTCTGACACTGGCTACAGCATGAATGAACCTTGAGGACGTTATGCAGTTTTACAGGATGAGTTATG
GAGCTGGATAGTGGTATGGTGGCACATTAAGGATGTATTTAATACTGTTCTTAAATGGTACACTTAAA
AATGGTAAATTTATGTATTTTACAATCTTTTTTAAATTTGAAGAAAAATCCTGTAGATAAATTAGA
AAATCTTCCCTCATAGGTTTATCTGCATTTGATTCTCCATACTGTACAAGGATTTATTTGTATTC
AAATGGACAAATTACGCAATAGGAAATATTTGAAAATATTTATCATGGGTAAATGCTATTTTCATTGAC
TTCTTAAGATTTATGTAATAATCATTTGAGTCAATATGGTAGCTAATGTAATAATCTAATATTGAAA
TCAGATTGATATCTTTGTTACTTAAAGATAATTTGATTGGATCAGCAGTATTTCAAATTGATTAACA
AAAAATTATAAACA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
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_001688.5](#)

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, F_o, 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 seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene encodes the b subunit of the proton channel. [provided by RefSeq, Jul 2008]

Locus ID:

515

MW:

70.1