

Product datasheet for **SC200327**

ATP5PD (NM_001003785) Human 3' UTR Clone

Product data:

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| Product Type: | 3' UTR Clones |
| Product Name: | ATP5PD (NM_001003785) Human 3' UTR Clone |
| Vector: | pMirTarget (PS100062) |
| Symbol: | ATP5PD |
| Synonyms: | APT5H; ATP5H; ATPQ |
| ACCN: | NM_001003785 |
| Insert Size: | 99 bp |
| Insert Sequence: | >SC200327 3'UTR clone of NM_001003785 The sequence shown below is from the reference sequence of NM_001003785. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC TGGCCTACCAACCAATTGAGAATTTATAAAATTGAGTCCAGGAGGAAGCTCTGGCCCTGTATTACAC ATTCTGGACATTAATAATAATTATACA ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG |
| Restriction Sites: | Sgfl-Mlul |
| 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: | <u>NM_001003785.2</u> |



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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 d subunit of the Fo complex. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. In addition, three pseudogenes are located on chromosomes 9, 12 and 15. [provided by RefSeq, Jun 2010]

Locus ID:

10476

MW:

3.9