

Product datasheet for **SC201669**

ATP5PF (NM_001685) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ATP5PF (NM_001685) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ATP5PF
Synonyms:	ATP5; ATP5A; ATP5J; ATPM; CF6; F6
ACCN:	NM_001685
Insert Size:	170 bp
Insert Sequence:	>SC201669 3'UTR clone of NM_001685 The sequence shown below is from the reference sequence of NM_001685. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC TTTGAAGTCATCGAAAAACCCAGGCC TGA AGAAATAAAGTAAAATTAATCTGGTAATTTGTCACGGAT TAGTTGTACAACACTAGTTAGAAGTTTCAGAATAAACATGCATTTTCATAACTGTCAAATGTTCTTTTAATT CTGAGTCCAAATAAATTATTTGGTGATGTTGA ACGCGT AAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
Restriction Sites:	Sgfl-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:	<u>NM_001685.5</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 complex has nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene encodes the F6 subunit of the Fo complex. The F6 subunit is required for F1 and Fo interactions. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. This gene has 1 or more pseudogenes. [provided by RefSeq, Feb 2016]

Locus ID:

522

MW:

6.5