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Product datasheet for SC201454

ATP5F1C (NM_005174) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ATP5F1C (NM_005174) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ATP5F1C
Synonyms:	ATP5C; ATP5C1; ATP5CL1
ACCN:	NM_005174
Insert Size:	169 bp
Insert Sequence:	>SC201454 3'UTR clone of NM_005174 The sequence shown below is from the reference sequence of NM_005174. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GAAATTATCTCTGGTGCTGCAGCTCTGTAAAGAAGGAAAATTCAGCCAGTTGATTTTGTTTTTAGCTTA CTGCTGCCTTTGTCCGAAGAAACTGTTCCTCCATTATTTGAATTACTGAAGACAGCAAGATATTTGTAA ATTATCTTAAAATAAACAACTTAAAATAAAA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
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_005174.4

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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 gamma subunit of the catalytic core. Alternatively spliced transcript variants encoding different isoforms have been identified. This gene also has a pseudogene on chromosome 14. [provided by RefSeq, Jul 2008]

Locus ID: 509

MW: 6.3