

# Recombinant Full Length Human ATP5C1 Protein, GST-tagged

**Cat. No.** ATP5C1-1388HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human ATP5C1 full-length ORF ( AAH00931, 1 a.a. - 298 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	298 amino acids
<b>Description</b>	<p>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]</p>
<b>Molecular Mass</b>	58.52 kDa
<b>AA Sequence</b>	MFSRAGVAGL SAWTLQPQWI QVRNMATLKD ITRRLKSIKN IQKITKSMKM

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VAAAKYARAE RELKPARIYG LGSLALYEKA DIKGPEDKKK HLLIGVSSDR  
 GLCGAIHSSI AKQMKSEVAT LTAAGKEVML VGIGDKIRGI LYRTHSDQFL  
 VAFKEVGRKP PTFGDASVIA LELLNSGYEF DEGSIIFNKF RSVISYKTEE  
 KPIFSLNTVA SADSMSIYDD IDADVLQNYQ EYNLANIIYY SLKESTTSEQ  
 SARMTAMDNA SKNASEMIDK LTLTFNRTRQ AVITKELIEI ISGAAALD

**Applications** Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);  
 Antibody Production; Protein Array

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name** [ATP5C1 ATP synthase, H+ transporting, mitochondrial F1 complex, gamma polypeptide 1 \[ Homo sapiens \]](#)

**Official Symbol** [ATP5C1](#)

**Synonyms** ATP5C1; ATP synthase, H+ transporting, mitochondrial F1 complex, gamma polypeptide 1; ATP5C, ATP5CL1; ATP synthase subunit gamma, mitochondrial; F-ATPase gamma subunit; ATP synthase gamma chain, mitochondrial; mitochondrial ATP synthase, gamma subunit 1; ATP5C; ATP5CL1

**Gene ID** [509](#)

**mRNA Refseq** [NM\\_001001973](#)

**Protein Refseq** [NP\\_001001973](#)

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**MIM** 108729

**UniProt ID** P36542

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