

Recombinant Full Length Human ATP5C1 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human ATP5C1 full-length ORF (AAH00931, 1 a.a. - 298 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	298 amino acids
Description	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]
Molecular Mass	58.52 kDa
AA Sequence	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
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UniProt ID	P36542
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