Recombinant Human ATP5C1, His-tagged

Cat. No. ATP5C1-7626H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ATP5C1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	26-298aa
Description	ATP synthase subunit gamma, mitochondrial isoform L (liver), also known as ATP5C1, catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. 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.?
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	32.6kDa (296aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSATLKDIT RRLKSIKNIQ KITKSMKMVA AAKYARAERE LKPARIYGLG SLALYEKADI KGPEDKKKHL LIGVSSDRGL CGAIHSSIAK QMKSEVATLT AAGKEVMLVG IGDKIRGILY RTHSDQFLVA FKEVGRKPPT FGDASVIALE LLNSGYEFDE GSIIFNKFRS VISYKTEEKP IFSLNTVASA DSMSIYDDID ADVLQNYQEY NLANIIYYSL KESTTSEQSA

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	RMTAMDNASK NASEMIDKLT LTFNRTRQAV ITKELIEIIS GAAALD
Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term. For long term storage, aliquot and store at -20°C or -70°C.Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml?

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
MIM	108729

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UniProt ID	P36542
Chromosome Location	10p14
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Electron Transport Chain, organism-specific biosystem; F-type ATPase, eukaryotes, organism-specific biosystem; Formation of ATP by chemiosmotic coupling, organism-specific biosystem; Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem;
Function	contributes_to ATPase activity; contributes_to ATPase activity; hydrogen ion transporting ATP synthase activity, rotational mechanism; proton-transporting ATPase activity, rotational mechanism; transmembrane transporter activity;

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