Recombinant Full Length Human ATP5H Protein, GST-tagged

Cat. No. ATP5H-1122HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ATP5H full-length ORF (NP_006347.1, 1 a.a. - 161 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	161 amino acids
Description	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 seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene encodes the d subunit of the Fo complex. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. In addition, three pseudogenes are located on chromosomes 9, 12 and 15. [provided by RefSeq, Jun 2010]
Molecular Mass	44.9 kDa
AA Sequence	MAGRKLALKT IDWVAFAEII PQNQKAIASS LKSWNETLTS RLAALPENPP AIDWAYYKAN VAKAGLVDDF EKKFNALKVP VPEDKYTAQV DAEEKEDVKS CAEWVSLSKA RIVEYEKEME KMKNLIPFDQ MTIEDLNEAF PETKLDKKKY

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	PYWPHQPIEN L
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	ATP5H ATP synthase, H+ transporting, mitochondrial Fo complex, subunit d [Homo sapiens]
Official Symbol	ATP5H
Synonyms	ATP5H; ATP synthase, H+ transporting, mitochondrial Fo complex, subunit d; ATP synthase, H+ transporting, mitochondrial F0 complex, subunit d; ATP synthase subunit d, mitochondrial; ATP5JD; ATPQ; My032 protein; ATPase subunit d; ATP synthase D chain, mitochondrial; ATP synthase, H+ transporting, mitochondrial F1F0, subunit d
Gene ID	10476
mRNA Refseq	NM_001003785
Protein Refseq	NP_001003785
MIM	618121
UniProt ID	O75947

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