

Recombinant Full Length Human ATP5J2 Protein, GST-tagged

Cat. No. ATP5J2-1142HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human ATP5J2 full-length ORF (AAH03678, 1 a.a. - 94 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	94 amino acids
Description	<p>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 catalytic portion of mitochondrial ATP synthase consists of five different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and single representatives of the gamma, delta, and epsilon subunits. The proton channel likely has nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene encodes the f subunit of the Fo complex. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. This gene has multiple pseudogenes. Naturally occurring read-through transcription also exists between this gene and the downstream pentatricopeptide repeat domain 1 (PTCD1) gene. [provided by RefSeq, Nov 2010]</p>
Molecular Mass	36.08 kDa

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AA Sequence	MASVGECPAP VPVKDKKLE VKLLELP SWI LMRDFSPSGI FGAFQRGYYR YYNKYINVKK GSISGITMVL ACYVLFSYSF SYKHLKHERL RKYH
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	ATP5J2 ATP synthase, H+ transporting, mitochondrial Fo complex, subunit F2 [Homo sapiens]
Official Symbol	ATP5J2
Synonyms	ATP5J2; ATP synthase, H+ transporting, mitochondrial Fo complex, subunit F2; ATP synthase, H+ transporting, mitochondrial F0 complex, subunit f, isoform 2 , ATP synthase, H+ transporting, mitochondrial F0 complex, subunit F2; ATP synthase subunit f, mitochondrial; ATP synthase f chain; mitochondrial; ATP5JL; F1Fo ATP synthase complex Fo membrane domain f subunit; F1Fo ATPase; F1Fo ATPase synthase f subunit; F1F0-type ATPase subunit f; F1Fo-ATPase synthase f subunit; ATP synthase f chain, mitochondrial; F1Fo-ATP synthase complex Fo membrane domain f subunit; ATP synthase, H+ transporting, mitochondrial F0 complex, subunit f, isoform 2
Gene ID	9551
mRNA Refseq	NM_001003713

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Protein Refseq NP_001003713

MIM 619792

UniProt ID P56134

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