

Recombinant Full Length Human ATP5I Protein, GST-tagged

Cat. No. ATP5I-1456HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ATP5I full-length ORF (AAH03679, 1 a.a. - 69 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	69 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 e subunit of the Fo complex. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Jun 2010]
Molecular Mass	33.33 kDa
AA Sequence	MVPPVQVSPL IKLGRYSALF LGVAYGATRY NYLKPRAEEE RRIAAEEKKK QDELKRIARE LAEDDSILK
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);

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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 [ATP5I ATP synthase, H⁺ transporting, mitochondrial Fo complex, subunit E \[Homo sapiens \]](#)

Official Symbol [ATP5I](#)

Synonyms ATP5I; ATP synthase, H⁺ transporting, mitochondrial Fo complex, subunit E; ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit e , ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit E; ATP synthase subunit e, mitochondrial; ATPase subunit e; ATP synthase e chain, mitochondrial; F1F0-ATP synthase, murine e subunit; ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit E; ATP5K; MGC12532

Gene ID [521](#)

mRNA Refseq [NM_007100](#)

Protein Refseq [NP_009031](#)

MIM [601519](#)

UniProt ID [P56385](#)

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