

# Recombinant Full Length Human ATP5I Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human ATP5I full-length ORF ( AAH03679, 1 a.a. - 69 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	69 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	33.33 kDa
<b>AA Sequence</b>	MVPPVQVSPL IKLGRYSALF LGVAYGATRY NYLKPRAEEE RRIAAEKKK QDELKRIARE LAEDDSILK
<b>Applications</b>	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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