

## Recombinant Human ATP5I protein, GST-tagged

Cat. No. ATP5I-986H 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>	Wheat Germ
<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>	MVPPVQVSPLIKLGRYSALFLGVAYGATRYNYLKPRAEEERRIAAEEKKKQDELKRIA RELAEDDSILK
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

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<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">ATP5I ATP synthase, H+ transporting, mitochondrial Fo complex, subunit E [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">ATP5I</a>
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">521</a>
<b>mRNA Refseq</b>	<a href="#">NM_007100</a>
<b>Protein Refseq</b>	<a href="#">NP_009031</a>
<b>MIM</b>	<a href="#">601519</a>
<b>UniProt ID</b>	<a href="#">P56385</a>

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