

Recombinant Full Length Human ATP5E Protein, GST-tagged

Cat. No. ATP5E-1392HF **Lot. No.** (See product label)

SPECIFICATION

| | |
|-------------------------|---|
| Product Overview | Human ATP5E full-length ORF (AAH01690, 1 a.a. - 51 a.a.) recombinant protein with GST-tag at N-terminal. |
| Species | Human |
| Source | In Vitro Cell Free System |
| ProteinLength | 51 amino acids |
| Description | <p>This gene encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. ATP synthase is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, comprising the proton channel. The catalytic portion of mitochondrial ATP synthase consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and a single representative of the other 3. The proton channel consists of three main subunits (a, b, c). This gene encodes the epsilon subunit of the catalytic core. Two pseudogenes of this gene are located on chromosomes 4 and 13. Read-through transcripts that include exons from this gene are expressed from the upstream gene SLMO2.[provided by RefSeq, Mar 2011]</p> |
| Molecular Mass | 31.35 kDa |
| AA Sequence | MVAYWRQAGL SYIRYSQICA KAVRDALKTE FKANAECTSG SNVKIVKVKK E |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|-----------------------|--|
| 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 | ATP5E ATP synthase, H ⁺ transporting, mitochondrial F1 complex, epsilon subunit [Homo sapiens] |
| Official Symbol | ATP5E |
| Synonyms | ATP5E; ATP synthase, H ⁺ transporting, mitochondrial F1 complex, epsilon subunit; ATP synthase subunit epsilon, mitochondrial; F(0)F(1)-ATPase; mitochondrial ATPase; H(+)-transporting two-sector ATPase; mitochondrial ATP synthase epsilon chain; ATPE; MC5DN3; MGC104243 |
| Gene ID | 514 |
| mRNA Refseq | NM_006886 |
| Protein Refseq | NP_008817 |
| MIM | 606153 |
| UniProt ID | P56381 |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA