

Recombinant Human ATP5I protein, GST-tagged

Cat. No. ATP5I-986H **Lot. No.** (See product label)

SPECIFICATION

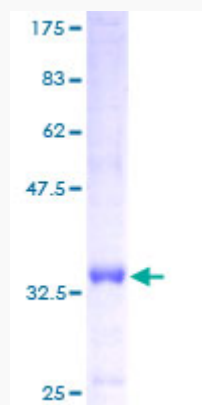
Product Overview	Human ATP5I full-length ORF (AAH03679, 1 a.a. - 69 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative 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	MVPPVQVSPLIKLGRYSALFLGVAYGATRYNYLKPRAAEEERRIAAEEKKKQDELKRIA RELAEDDSILK
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

 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

Notes	Best use within three months from the date of receipt of this protein.
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



12.5% SDS-PAGE Stained with Coomassie Blue.

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