

## Recombinant Human ATP5F1, His-tagged

**Cat. No.** ATP5F1-37H    **Lot. No.** (See product label)

### SPECIFICATION

**Product Overview**      Recombinant Human ATP Synthase Subunit B Mitochondrial/ATP5F1 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Pro43-Met256) of Human ATP5F1 fused with a polyhistidine tag at the C-terminus.

**Species**                      Human

**Source**                        HEK293

**ProteinLength**              43-256 a.a.

**AA Sequence**              PVPPLPEYGGKVRYGLIPEEFFQFLYPKTGVTGPYVLGTGLILYALSKEIYVISAETFT  
 ALSVLG VMVYGIKKYGPFVADFADKLNQKLAQLEEAKQASIQHIQNAIDTEKSQQA  
 LVQKRHYLFDVQRN NIAMALEVTYRERLYRVYKEVKNRLDYHISVQNMMRRKEQE  
 HMINWVEKHVVQSISTQQEKETIA KCIADLKLLAKKAQAQPVMVDHHHHHH

**Endotoxin**                    Less than 0.1 ng/μg (1 IEU/μg).

**Purity**                        Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

### GENE INFORMATION

**Gene Name**                    [ATP5F1 ATP synthase, H<sup>+</sup> transporting, mitochondrial Fo complex, subunit B1 \[ Homo sapiens \]](#)

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

<b>Official Symbol</b>	ATP5F1
<b>Synonyms</b>	ATP5F1; ATP synthase, H <sup>+</sup> transporting, mitochondrial Fo complex, subunit B1; ATP synthase, H <sup>+</sup> transporting, mitochondrial F0 complex, subunit b, isoform 1 , ATP synthase, H <sup>+</sup> transporting, mitochondrial F0 complex, subunit B1; ATP synthase subunit b, mitochondrial; ATPase subunit b; H <sup>+</sup> -ATP synthase subunit b; ATP synthase B chain, mitochondrial; cell proliferation-inducing protein 47; ATP synthase, H <sup>+</sup> transporting, mitochondrial F0 complex, subunit B1; ATP synthase, H <sup>+</sup> transporting, mitochondrial F0 complex, subunit b, isoform 1; PIG47; MGC24431;
<b>Gene ID</b>	<a href="#">515</a>
<b>mRNA Refseq</b>	<a href="#">NM_001688</a>
<b>Protein Refseq</b>	<a href="#">NP_001679</a>
<b>MIM</b>	<a href="#">603270</a>
<b>UniProt ID</b>	<a href="#">P24539</a>
<b>Chromosome Location</b>	1p13.2
<b>Pathway</b>	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Electron Transport Chain, organism-specific biosystem; F-type ATPase, eukaryotes, organism-specific biosystem; Formation of ATP by chemiosmotic coupling, organism-specific biosystem; Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem;
<b>Function</b>	contributes_to ATPase activity; hydrogen ion transmembrane transporter activity; hydrogen ion transporting ATP synthase activity, rotational mechanism; protein

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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



binding; transmembrane transporter activity;

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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