

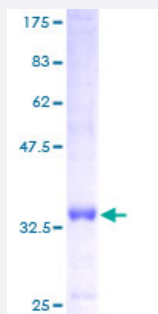
Full-Length

# ATP5I (Human) Recombinant Protein (P01)

Catalog # H00000521-P01

Size 25 ug, 10 ug

## Applications



## Specification

Product Description	Human ATP5I full-length ORF ( AAH03679, 1 a.a. - 69 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MVPPVQVSPLIKLGRYSALFLGVAYGATRYNYLKPRAEERERIAAEKKKQDELKRIARELAEDDSILK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	33.33
Preparation Method	<a href="#">in vitro wheat germ expression system</a>
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — ATP5I

Entrez GeneID [521](#)

GeneBank Accession# [BC003679](#)

Protein Accession# [AAH03679](#)

Gene Name ATP5I

Gene Alias ATP5K, MGC12532

Gene Description ATP synthase, H<sup>+</sup> transporting, mitochondrial F0 complex, subunit E

Omim ID [601519](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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, F0, 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 F0 seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene encodes the e subunit of the F0 complex. [provided by RefSeq]

**Other Designations** ATP synthase e chain, mitochondrial|F1F0-ATP synthase, murine e subunit

## Pathway

- [Metabolic pathways](#)

- [Oxidative phosphorylation](#)