

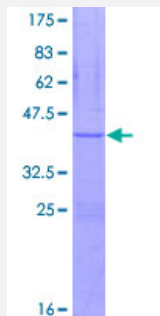
Full-Length

ATP5J (Human) Recombinant Protein (P02)

Catalog # H00000522-P02

Size 10 ug, 25 ug

Applications



Specification

Product Description	Human ATP5J full-length ORF (NP_001003696.1, 1 a.a. - 108 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MILQRLFRFSSVIRSAVSVHLRRNIGVTAVAFNKELDPIQKLFVDKIREYKSKRQTSGGPVDASSEY QQELERELFKLKQMFGNADMNTFPTFKFEDPKFEVIEKPQA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	39
Preparation Method	in vitro wheat germ expression system
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 — ATP5J

Entrez GeneID [522](#)

GeneBank Accession# [NM_001003696.1](#)

Protein Accession# [NP_001003696.1](#)

Gene Name ATP5J

Gene Alias ATP5, ATP5A, ATPM, CF6, F6

Gene Description ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit F6

Omim ID [603152](#)

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 F6 subunit of the F0 complex, required for F1 and F0 interactions. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000096107|OTTHUMP00000096108|OTTHUMP00000096110|OTTHUMP00000096111|OTTHUMP00000096112|mitochondrial ATP synthase, coupling factor 6|mitochondrial ATP synthase, subunit F6|mitochondrial ATPase coupling factor 6|proliferation-inducing protein 36

Pathway

- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Prostatic Neoplasms](#)