

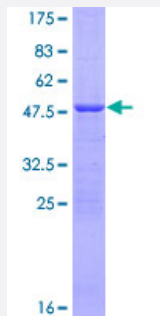
Full-Length

ATP5H (Human) Recombinant Protein (P01)

Catalog # H00010476-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ATP5H full-length ORF (NP_006347.1, 1 a.a. - 161 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAGRKLALKTIDWVAFAEIIPQNQKAIASSLKSUNETLTSRLAALPENPPAIDWAYYKANVAKAGLV DDFEKKFNALKVPVPEDKYTAQVDAEEKEDVKSCAEWWSLSKARIVEYEKEMEKMKNLIPFDQM TIEDLNEAFPETKLDKKKYPYWP HQPIENL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	44.9
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 — ATP5H

Entrez GeneID [10476](#)

GeneBank Accession# [NM_006356.2](#)

Protein Accession# [NP_006347.1](#)

Gene Name ATP5H

Gene Alias ATP5JD, ATPQ

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

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 d subunit of the F0 complex. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. In addition, three pseudogenes are located on chromosomes 9, 12 and 15. [provided by RefSeq]

Other Designations ATP synthase D chain, mitochondrial|ATP synthase, H⁺ transporting, mitochondrial F1F0, subunit d|My032 protein

Pathway

- [Metabolic pathways](#)

- [Oxidative phosphorylation](#)