

Recombinant Human ATP5H protein, GST-tagged

Cat. No. ATP5H-985H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ATP5H full-length ORF (NP_006347.1, 1 a.a. - 161 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 d subunit of the Fo 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, Jun 2010]
Molecular Mass	44.9 kDa
AA Sequence	MAGRKLALKTIDWVAF AEIIPQNQKAIASSLKSWNETLTSRLAALPENPPAIDWAYYK ANVAKAGLVDDFEKKFNALKVPVPEDKYTAQVDAEEKEDVKSCAEWVSLSKARIVE YEKEMEKMKNLIPFDQMTIEDLNEAFPETKLDKKKYPYWPHQPIENL
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);

 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

Antibody Production; Protein Array

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.

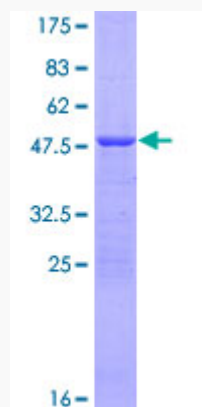
GENE INFORMATION

Gene Name	ATP5H ATP synthase, H ⁺ transporting, mitochondrial Fo complex, subunit d [Homo sapiens]
Official Symbol	ATP5H
Synonyms	ATP5H; ATP synthase, H ⁺ transporting, mitochondrial Fo complex, subunit d; ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit d; ATP synthase subunit d, mitochondrial; ATP5JD; ATPQ; My032 protein; ATPase subunit d; ATP synthase D chain, mitochondrial; ATP synthase, H ⁺ transporting, mitochondrial F1F0, subunit d;
Gene ID	10476
mRNA Refseq	NM_001003785
Protein Refseq	NP_001003785
UniProt ID	O75947

 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



12.5% SDS-PAGE Stained with Coomassie Blue.

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