

Recombinant Human ATP5J protein, His & T7-tagged

Cat. No. ATP5J-1531H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATP5J aa. (Met1~Ala108 (Accession # P18859)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Ala108
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 complex has nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene encodes the F6 subunit of the Fo complex. The F6 subunit is required for F1 and Fo interactions. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. This gene has 1 or more pseudogenes.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 16.3kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	9.5

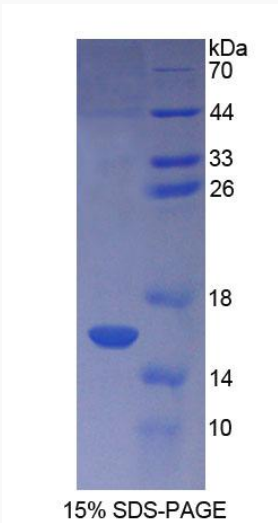
GENE INFORMATION

Gene Name	ATP5J ATP synthase, H ⁺ transporting, mitochondrial Fo complex subunit F6 [Homo sapiens (human)]
Official Symbol	ATP5J
Synonyms	ATP5J; ATP synthase, H ⁺ transporting, mitochondrial Fo complex subunit F6; F6; CF6; ATP5; ATPM; ATP5A; ATP synthase-coupling factor 6, mitochondrial; ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit F6; ATPase subunit F6; coupling factor 6; mitochondrial ATP synthase, coupling factor 6; mitochondrial ATP synthase, subunit F6; mitochondrial ATPase coupling factor 6; proliferation-inducing protein 36

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Gene ID	522
mRNA Refseq	NM_001003696.1
Protein Refseq	NP_001003696.1
UniProt ID	P18859
SDS-PAGE	 15% SDS-PAGE