

# Recombinant human ATP5C1 protein

Catalog Number: ATGP2137

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

26-298aa

### UniProt No.

P36542

### NCBI Accession No.

NP\_001001973

### Alternative Names

ATP synthase subunit gamma mitochondrial isoform L (liver), ATP synthase subunit gamma, mitochondrial isoform L (liver), ESE3, ESE3B, ESEJ

## PRODUCT SPECIFICATION

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### Molecular Weight

32.6 kDa (296aa)

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

ATP synthase subunit gamma, mitochondrial isoform L (liver), also known as ATP5C1, catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. The catalytic portion of mitochondrial ATP synthase consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and a single representative of the other 3. Recombinant human ATP5C1 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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### Amino acid Sequence

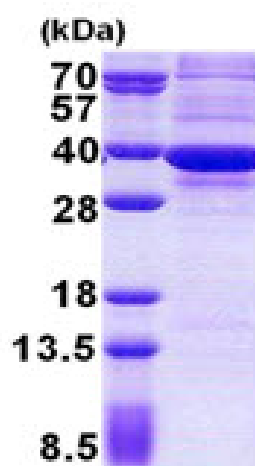
MGSSHHHHHH SGLVPRGSH MGSATLKDIT RRLKSIKNIQ KITKSMKMVA AAKYARAERE LKPARIYGLG SLALYEKADI  
KGPEDKKKHL LIGVSSDRGL CGAIHSSIAK QMKSEVATLT AAGKEVMLVG IGDKIRGILY RTHSDQFLVA FKEVGRKPPT  
FGDASVIALE LLNSGYEFDE GSIIFNKFRS VISYKTEEKP IFSLNTVASA DSMSIYDDID ADVLQNYQEY NLANIIYYSL  
KESTTSEQSA RMTAMDNASK NASEMIDKLT LTFNRTRQAV ITKELIEIIS GAAALD

### General References

Wang L., et al. (2008) Cancer Epidemiol Biomarkers Prev. 17(12):3558-3566

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)