

Recombinant human ATP5C1 protein

Catalog Number: ATGP2137

PRODUCT INFORMATION

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

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

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

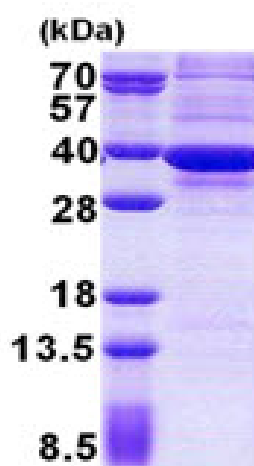
MGSSHHHHHH SSGLVPRGSH MGSATLKDIT RRLKSIKNIQ KITKSMKMVA AAKYARAERE LKPARIYGLG SLALYEKADI
KGPEDKKKHL LIGVSSDRGL CGAIHSSIAK QMKSEVATLT AAGKEVMLVG IGDKIRGILY RTHSDQFLVA FKEVGRKPPT
FGDASVIALE LLNSGYEFDE GSIIFNKFRS VISYKTEEKP IFSLNTVASA DSMSIYDDID ADVLQNYQEY NLANIIYYSL
KESTTSEQSA RMTAMDNASK NASEMIDKLT LTFNRTRQAV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