
Product Data Sheet

Product Name: ATP5C1 Human

Cat. No.: GP22805

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ESE3; ESE3B; ESEJ; F-ATPase gamma subunit; ATP5C1; ATP5CL1; ATP5C; ATP synthase subunit gamma; mitochondrial.		
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.		
Formulation	ATP5C1 protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer, (pH 8.0), 0.4M Urea and 10% glycerol.		

Introduction

ATP synthase subunit gamma, mitochondrial isoform L (liver) (ATP5C1) is a member of the ATPase gamma chain family. ATP5C1 catalyzes ATP synthesis by using an electrochemical gradient of protons across the inner membrane throughout oxidative phosphorylation. The catalytic portion of mitochondrial ATP synthase is comprised of 5 different subunits (alpha, beta, gamma, delta, and epsilon) gathered with a stoichiometry of 3 alpha, 3 beta, and a single representative of the other 3.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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ATP5C1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 296 amino acids (26-298 a.a.) and having a molecular mass of 32.6kDa. ATP5C1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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