
Product Data Sheet

Product Name: ATP5H Human
 Cat. No.: GP22806
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ATP Synthase H+ Transporting; Mitochondrial Fo Complex Subunit D; ATP Synthase D Chain Mitochondrial; ATP Synthase H+ Transporting Mitochondrial F1F0 Subunit D; ATPase Subunit D; My032 Protein; ATPQ.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAGRKLA LKTIDWVAFA EIIPQNQKAI ASSLKSWNET LTSRLAALPE NPPAIDWAYY KANVAKAGLV DDFEKKFNAL KVPVPEDKYT AQVDAEEKED VKSCAEWVSL SKARIVEYEK EMEKMKNLIP FDQMTIEDLN EAFPETKLDK KKYPYWPHQP IENL		
Formulation	The ATP5H solution contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

Introduction

ATP5H is a member of the ATPase d subunit family and encodes the d subunit of the F0 complex. Electron transport complexes of the respiratory chain create a proton gradient across the membrane which induces ATP5H to transform ADP to ATP. Two alternatively spliced isoforms of ATP5H, encoded by a gene that maps to human chromosome 17q25.1, are known. ATP5H is restricted to mitochondrial inner membrane.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks.

Background

ATP5H Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 184 amino acids (1-161) and having a molecular mass of 20.9kDa.

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

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