Recombinant Human ATP5H, His-tagged

Cat. No. ATP5H-15892H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ATP5H protein, fused to His tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-161aa
Description	ATP synthase subunit d, also known as ATP5H, is a 161 amino acid protein that belongs to the ATPase d subunit family. ATP5H encodes the d subunit of the F0 complex. ATP5H produces ATP from ADP in the presence of a proton gradient across the membrane, which is generated by electron transport complexes of the respiratory chain. Localizing to mitochondrial inner membrane, ATP5H exists as two alternatively spliced isoforms and is encoded by a gene that maps to human chromosome 17q25.1.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	20.9 kDa (184aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAGRKLA LKTIDWVAFA EIIPQNQKAI ASSLKSWNET LTSRLAALPE NPPAIDWAYY KANVAKAGLV DDFEKKFNAL KVPVPEDKYT AQVDAEEKED VKSCAEWVSL SKARIVEYEK EMEKMKNLIP FDQMTIEDLN EAFPETKLDK KKYPYWPHQP IENL

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Purity	>85% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term. For long term storage, aliquot and store at at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	ATP5H ATP synthase, H+ transporting, mitochondrial Fo complex, subunit d [Homo sapiens]
Official Symbol	ATP5H
Synonyms	ATP5H; ATP synthase, H+ transporting, mitochondrial Fo complex, subunit d; ATP synthase, H+ transporting, mitochondrial F0 complex, subunit d; ATP synthase subunit d, mitochondrial; ATP5JD; ATPQ; My032 protein; ATPase subunit d; ATP synthase D chain, mitochondrial; ATP synthase, H+ transporting, mitochondrial F1F0, subunit d;
Gene ID	10476
mRNA Refseq	NM_006356
Protein Refseq	NP_006347
UniProt ID	O75947
Chromosome	17q25

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Location	
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Electron Transport Chain, organism-specific biosystem; F-type ATPase, eukaryotes, organism-specific biosystem; Formation of ATP by chemiosmotic coupling, organism-specific biosystem; Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem;
Function	contributes_to ATPase activity; hydrogen ion transmembrane transporter activity; transmembrane transporter activity;

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