

# Product information



## ATP5H, 1-161aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2248

**Full name:** ATP synthase subunit d, mitochondrial isoform a

**NCBI Accession No.:** NP\_006347

**Synonyms:** ATPQ

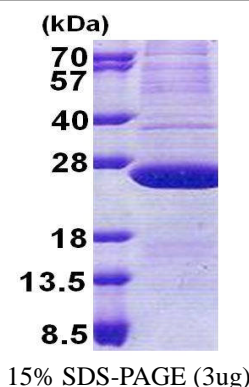
**Description:** ATP synthase subunit d, also known as ATP5H, is a 161 amino acid protein that belongs to the ATPase d subunit family. ATP5H encodes the d subunit of the F0 complex. ATP5H produces ATP from ADP in the presence of a proton gradient across the membrane, which is generated by electron transport 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. Recombinant human ATP5H protein, fused to His-tag at N-terminus, was expressed in *E.coli*.

**Form:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

**Molecular Weight:** 20.9 kDa (184aa)

**Purity:** > 85% by SDS - PAGE

**Concentration:** 1 mg/ml (determined by Bradford assay)



**Sequences of amino acids:**

MGSSHHHHH SSGLVPRGSH MGSMAGRKLA LKTIDWVFA EII PQNQKAI ASSLSWNET LTSRLAALPE NPPAIDWAYY KANVAKAGLV  
DDFEKKFNAL KVPVPEDKYT AQVDAEEKED VKSCAEWVSL SKARIVEYEK EMEKMKNLIP FDQMTIEDLN EAFPETKLDK KKYPYWP HQP  
IENL

**General references:**

Noh H S., *et al.* (2004) *Brain Res.* 129:80-87.

Sansanwal P., *et al.* (2010) *J Am Soc Nephrol.* 21:272-283.

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.  
Avoid repeated freezing and thawing cycles.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



Manufactured for:  
Immuno-Biological Laboratories, Inc. (IBL-America)  
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA  
Phone: (888) 523-1246 Fax.: (763) 780-2988  
Email: [info@ibl-america.com](mailto:info@ibl-america.com) Web: [www.ibl-america.com](http://www.ibl-america.com)