

AR51072PU-N**Human ATP synthase subunit d (1-161, His-tag) - Purified****Alternate names:**

ATP5H, Complex V subunit d, F1 F0 ATP synthase subunit d, My032, mitochondria ATP synthase subunit d

Quantity:

0.25 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

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 FO complex. ATP5H produces ATP from ADP in the presence of a proton gradient across the membrane, which

Uniprot ID:[O75947](#)**NCBI:**[NP_006347](#)**GeneID:**[10476](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >85% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol**Description:****AA Sequence:**MGSSHHHHHH SGLVPRGSH MGSMAGRKLA LKTIDWVFA EIIPQNQKAI ASSLKSWNET
LTSRLAALPE NPPAIDWAYY KANVAKAGLV DDFEKKFNAL KVPVPEDKYT AQVDAEEKED
VKSCAEWVSL SKARIVEYEK EMEKMKNLIP FDQMTIEDLN EAFPETKLDK KKYPYWP HQP IENL**Molecular weight:** 20.9 kDa (184aa)**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Noh H S., et al. (2004) Brain Res. 129:80-87. Sansanwal P., et al. (2010) J Am Soc Nephrol. 21:272-283.

Pictures: