

## 32-3270: ATP5H Recombinant Protein

**Alternative Name :** 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.

### Description

Source : Escherichia Coli. 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. ATP5H is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 85% as determined by SDS-PAGE.  
**Content :** The ATP5H solution contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.  
**Storage condition :** 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.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSMAGRKLA LKTIDWVAF A EIIPQNQKAI ASSLKSWNET LTSRLAALPE NPPAIDWAYY KANVAKAGLV DDFEKKFNAL KVPVPEDKYT AQVDAEEKED VKSCAEWWVSL SKARIVEYEK EMEKMKNLIP FDQMTIEDLN EAFPETKLDK KYPYPWPHQP IENL

