

## 32-3271: ATP5F1 Recombinant Protein

**Alternative Name :** ATP Synthase Proton-Transporting Mitochondrial F<sub>0</sub> Complex Subunit B1,ATP Synthase H<sup>+</sup> Transporting,Mitochondrial Fo Complex Subunit B Isoform 1,ATPase Subunit B,ATP Synthase B Chain Mitochondrial,Cell Proliferation-Inducing Protein 47,PIG47.

### Description

Source : Escherichia Coli. ATP5F1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 197 amino acids (83-256) and having a molecular mass of 22.6 kDa. ATP5F1 is fused to a 23 amino acid His-tag at N-terminus. ATP5F1 is a mitochondrial ATP synthase subunit catalyzes ATP synthesis, using an electrochemical gradient of protons all through the inner membrane for the duration of the oxidative phosphorylation. ATP synthase is comprised of two linked multi-subunit complexes: the soluble catalytic core, F<sub>1</sub>, and the membrane-spanning component, F<sub>o</sub>, including the proton channel. The catalytic segment of mitochondrial ATP synthase contains 9 subunits: 3 alpha, 3 beta, and one unit of gamma, delta, and epsilon. The proton route is known to have 9 subunits (a, b, c, d, e, f, g, F6 and 8).

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 80% as determined by SDS-PAGE.  
**Content :** The ATP5F1 solution (0.5mg/ml) 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 SGLVPRGSH MGSLILYALS KEIYVISAET FTALSVLGVM VYGIKKYGPF  
VADFADKLNE QKLAQLEEAK QASIQHIQNA IDTEKSQQAL VQKRHYLFDV QRNNIAMALE  
VTYRERLYRV YKEVKNRLDY HISVQNMRR KEQEHMINWV EKHVVQSIST QQEKETIAKC  
IADLKLLAKK AQAQPVV

