

## 32-2172: ATP5O Recombinant Protein

**Alternative Name :** ATP synthase subunit O mitochondrial, Oligomycin sensitivity conferral protein, OSCP, ATP5O, ATPO.

### Description

Source : Escherichia Coli. ATP5O Human Recombinant fused with a 21 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 211 amino acids (24-213 a.a.) and having a molecular mass of 23.1kDa. The ATP5O is purified by proprietary chromatographic techniques. ATP synthase subunit O (ATP5O) localizes to the mitochondria and catalyzes ATP synthesis. ATP5O is a component of the F-type ATPase found in the mitochondrial matrix. F-type ATPases are composed of a catalytic core and a membrane proton channel. ATP5O seems to be part of the connector connecting these two components and may be involved in transmission of conformational changes or proton conductance.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 95.0% as determined by SDS-PAGE.
<b>Content :</b>	The ATP5O solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 40% glycerol and 0.2M NaCl.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MFAKLVRPPV QVYGIEGRYA TALYSAASKQ NKLEQVEKEL LRVAQILKEP KVAASVLNPY VKRSIKVKSL NDITAKERFS PLTTNLLINLL AENGRLSNTQ GVVSAFSTMM SVHRGEVPCT VTSASPLEEA TLSELKTVLK SFLSQGQVLK LEAKTDPSIL GGMIVRIGEK YVDMSVKTKI QKLGRAMREI V.

