

ATP5O Human

Description: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.

Catalog #:ENPS-050

For research use only.

Synonyms:ATP synthase subunit O mitochondrial, Oligomycin sensitivity conferral protein, OSCP, ATP5O, ATPO.

Source:Escherichia Coli.

Physical Appearance:Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MFAKLVRPPV QVYGIEGRYA
TALYSAASKQ NKLEQVEKEL LRVAQILKEP KVAASVLNPN VKRSIKVKSL NDITAKERFS
PLTTNLINLL AENGRSNTQ GVVSAFSTMM SVHRGEVPCT VTSASPLEEA TLSELKTVLK
SFLSQGQVLK LEAKTDP SIL GGMIVRIGEK YVDM SVKTKI QKLGRAMREI V.

Purity:Greater than 95.0% as determined by SDS-PAGE.

Formulation:

The ATP5O solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 40% glycerol and 0.2M NaCl.

Stability:

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

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.

To place an order, please [Click HERE](#).