

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 QVYEGIEGRYA
TALYSAASKQ NKLEQVEKEL LRVAQILKEP KVAASVLNPY VKRSIKVKSL NDITAKERFS
PLTTNLLINLL AENGRLSNTQ GVVSAFSTMM SVHRGEVPCT VTSASPLEEA TLSELKTVLK
SFLSQGQVLK LEAKTDPISL GGMIVRIGEK YVDMSVKTKI 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.

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