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AR09787PU-N Human ATP synthase subunit O (24-213, His-tag) - Purified

Alternate names: ATP5O, ATPO, Complex V subunit O, F1F0 ATP synthase subunit O, OSCP, Oligomycin sensitivity conferral protein, mitochondrial ATP synthase subunit O

Quantity: 0.1 mg

Concentration: 1.0 mg/ml (determined by Bradford assay)

Background: ATP synthase subunit O, also known as ATP5O, localizes to the mitochondria and catalyzes ATP synthesis. The protein 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. The encoded protein appears to be part of the connector linking these two components and may be involved in transmission of conformational changes or proton conductance.

Uniprot ID: P48047

NCBI: NP_001688

GeneID: 539

Species: Human

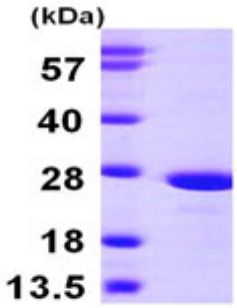
Source: E. coli

Format:
State: Liquid purified protein
Purity: >95%
Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 40% glycerol, 0.2M NaCl

Description: Recombinant human ATP5O protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
AA Sequence:
MGSSHHHHHH SSGLVPRGSH MFAKLVRPPV QVYGIEGRYA TALYSAASKQ NKLEQVEKEL LRVAQILKEP KVAASVLNPY VKRSIKVKSL NDITAKERFS PLTTNLINLL AENGRLSNTQ GVVSAFSTMM SVHRGEVPCT VTSASPLEEA TLSELKTVLK SFLSQGQVLK LEAKTDPSIL GGMIVRIGEK YVDMSVKTKI QKLGRAMREI V
Molecular weight: 23.1 kDa (211aa), confirmed by MALDI-TOF

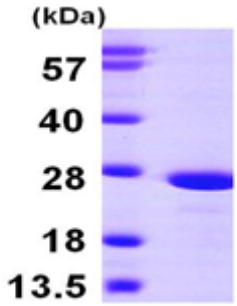
Storage: Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human ATP5O, 24-213 aa, His-tagged



15% SDS-PAGE (3ug)