Recombinant Human ATP5O, His-tagged

Cat. No. ATP5O-27062TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human ATP5O with an N terminal His tag; 211 amino acids with tag, Predicted MWt 23.1 kDa.
Species	Human
Source	E.coli
ProteinLength	190 amino acids
Description	The protein encoded by this gene 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.
Conjugation	HIS
Molecular Weight	23.100kDa inclusive of tags
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 40% Glycerol, 0.2M Sodium chloride, 20mM Tris HCl, 1mM DTT, pH 8.0

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMFAKLVRPPVQVYGIEGRYATALYSAASKQNKLEQ VEKELLRVAQILKEPKVAASVLNPYVKRSIKVKSLNDITAKERFSPLTTNLINLLAENGR LSNTQGVVSAFSTMMSVHRGEVPCTVTSASPLEEATLSELKTVLKSFLSQGQVLKLE AKTDPSILGGMIVRIGEKYVDMSVKTKIQKLGRAMREIV
Sequence Similarities	Belongs to the ATPase delta chain family.

GENE INFORMATION

Gene Name	ATP5O ATP synthase, H+ transporting, mitochondrial F1 complex, O subunit [Homo sapiens]
Official Symbol	ATP5O
Synonyms	ATP5O; ATP synthase, H+ transporting, mitochondrial F1 complex, O subunit; ATP synthase subunit O, mitochondrial; ATPO; oligomycin sensitivity conferring protein; OSCP;
Gene ID	539
mRNA Refseq	NM_001697
Protein Refseq	NP_001688
MIM	600828
Uniprot ID	P48047

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Chromosome Location	21q22
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Electron Transport Chain, organism-specific biosystem; F-type ATPase, eukaryotes, organism-specific biosystem; Formation of ATP by chemiosmotic coupling, organism-specific biosystem;
Function	contributes_to ATPase activity; drug binding; hydrogen ion transporting ATP synthase activity, rotational mechanism; protein complex binding; steroid binding;

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