

Recombinant Human ATP5O, GST-tagged

Cat. No. ATP5O-10029H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human ATP5O protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

Species Human

Source E.coli

ProteinLength 1-213a.a.

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.

Storage The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name ATP5O ATP synthase, H⁺ transporting, mitochondrial F1 complex, O subunit [Homo sapiens]

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Official Symbol	ATP5O
Synonyms	ATP5O; ATP synthase, H ⁺ transporting, mitochondrial F1 complex, O subunit; ATP synthase subunit O, mitochondrial; ATP5O; oligomycin sensitivity conferring protein; OSCP; human ATP synthase OSCP subunit; oligomycin sensitivity conferral protein;
Gene ID	539
mRNA Refseq	NM_001697
Protein Refseq	NP_001688
MIM	600828
UniProt ID	P48047
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; Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem;
Function	contributes_to ATPase activity; drug binding; hydrogen ion transporting ATP synthase activity, rotational mechanism; transmembrane transporter activity; transporter activity;

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