

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 Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 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; ATP5; 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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