

# Recombinant Full Length Human ATP5O Protein, GST-tagged

**Cat. No.** ATP5O-1543HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                 |
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| <b>Product Overview</b> | Human ATP5O full-length ORF ( AAH21233, 1 a.a. - 213 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 213 amino acids                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | 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. [provided by RefSeq, Jul 2008] |
| <b>Molecular Mass</b>   | 49.17 kDa                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | MAAPAVSGLS RQVRCLSTSV VRPFAKLVRP PVQVYGIEGR YATALYSAAS<br>KQNKLEQVEK ELLRVAQILK EPKVAASVLN PYVKRSIKVK SLNDITAKER<br>FSPLTTNLIN LLAENGRLSN TQGVVSAFST MMSVHRGEVP CTVTSASPLE<br>EATLSELKTV LKSFLSQGQV LKLEAKTDPS ILGGMIVRIG EKYVDMSVKT<br>KIQKLGRAMR EIV                                                                                                                                          |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array                                                                                                                                                                                                                                                                                     |

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**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name** ATP5O ATP synthase, H<sup>+</sup> transporting, mitochondrial F1 complex, O subunit [ Homo sapiens ]

**Official Symbol** ATP5O

**Synonyms** ATP5O; ATP synthase, H<sup>+</sup> transporting, mitochondrial F1 complex, O subunit; ATP synthase subunit O, mitochondrial; ATPO; 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

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