

# Recombinant Human ATP5PO Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** ATP5PO-1620H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | ATP5O MS Standard C13 and N15-labeled recombinant protein (NP_001688) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                           |
| <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. |
| <b>Molecular Mass</b>   | 23.3 kDa                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | MAAPAVSGLSRQVRCFSTSVVRPFAKLVRPPVQVYGIEGRYATALYSAASKQNKLE<br>QVEKELLRVAQILKEPKVAASVLNPYVKRSIKVKSLNDITAKERFSPLTTNLINLLAEN<br>GRLSNTQGVVSAFSTMMSVHRGEVPCTVTSASPLEEATLSELKTVLKSFLSQGQVL<br>KLEAKTDPSILGGMIVRIGEKEYVDMSVKTKIQKLGRAMREIVTRTRPLEQKLISEEDLA<br>ANDILDYKDDDDKV                                                                                            |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                      |
| <b>Stability</b>        | Stable for 3 months from receipt of products under proper storage and handling                                                                                                                                                                                                                                                                                   |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** ATP5PO ATP synthase peripheral stalk subunit OSCP [ Homo sapiens (human) ]

**Official Symbol** ATP5PO

**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

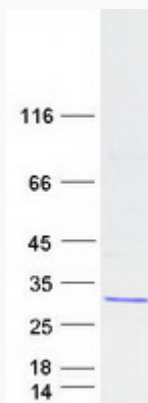
**MIM** 600828

**UniProt ID** P48047

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**SDS-PAGE**

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