

## Recombinant Mouse Atp5o Protein, Myc/DDK-tagged

**Cat. No.** Atp5o-1771M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length ATP synthase, H <sup>+</sup> transporting, mitochondrial F1 complex, O subunit (Atp5o), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Mitochondrial membrane ATP synthase (F(1)F(0) ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is generated by electron transport complexes of the respiratory chain. F-type ATPases consist of two structural domains, F(1) - containing the extramembraneous catalytic core and F(0) - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F(1) is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F(0) domain and the peripheric stalk, which acts as a stator to hold the catalytic alpha(3)beta(3) subcomplex and subunit a/ATP6 static relative to the rotary elements.
<b>Molecular Mass</b>	23.4 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

<b>Gene Name</b>	Atp5o ATP synthase, H <sup>+</sup> transporting, mitochondrial F1 complex, O subunit [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	<a href="#">Atp5o</a>
<b>Synonyms</b>	ATP5O; ATP synthase, H <sup>+</sup> transporting, mitochondrial F1 complex, O subunit; ATP synthase subunit O, mitochondrial; oligomycin sensitivity conferral protein; DNA segment, Chr 12, Wayne State University 28, expressed; ATPO; OSCP; D12Wsu28e
<b>Gene ID</b>	<a href="#">28080</a>
<b>mRNA Refseq</b>	<a href="#">NM_138597</a>
<b>Protein Refseq</b>	<a href="#">NP_613063</a>
<b>UniProt ID</b>	<a href="#">Q9DB20</a>

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