# Recombinant Mouse Atp5h Protein, Myc/DDK-tagged

**Cat. No.** Atp5h-1770M **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Purified recombinant protein of mouse full-length ATP synthase, H+ transporting, mitochondrial F0 complex, subunit D (Atp5h), with C-terminal MYC/DDK tag, expressed in HEK293T cells. |
| **Species** | Mouse |
| **Source** | HEK293 |
| **Description** | 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. |
| **Molecular Mass** | 18.7 kDa |
| **Purity** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Stability** | 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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| **Storage** | Store at -80 centigrade after receiving vials. |
| **Concentration** | >50 μg/mL as determined by microplate BCA method |
| **Storage Buffer** | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol. |

## GENE INFORMATION

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| **Gene Name** | Atp5h ATP synthase, H+ transporting, mitochondrial F0 complex, subunit D [ Mus musculus (house mouse) ] |
| **Official Symbol** | Atp5h |
| **Synonyms** | ATP5H; ATP synthase, H+ transporting, mitochondrial F0 complex, subunit d; ATP synthase subunit d, mitochondrial; ATPase subunit d; 0610009D10Rik |
| **Gene ID** | 71679 |
| **mRNA Refseq** | NM_027862 |
| **Protein Refseq** | NP_082138 |
| **UniProt ID** | Q9DCX2 |

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