Recombinant Mouse Atp5d Protein, His-tagged

Cat. No. Atp5d-271M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Atp5d Protein (Met1-Glu168) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Glu168
Description	Predicted to enable proton transmembrane transporter activity. Predicted to contribute to ATP hydrolysis activity and proton-transporting ATP synthase activity, rotational mechanism. Predicted to be involved in mitochondrial ATP synthesis coupled proton transport and mitochondrial proton-transporting ATP synthase complex assembly. Predicted to act upstream of or within proton transmembrane transport. Located in mitochondrial inner membrane. Is expressed in several structures, including alimentary system; eye; genitourinary system; integumental system; and nervous system. Human ortholog(s) of this gene implicated in mitochondrial complex V (ATP synthase) deficiency. Orthologous to human ATP5F1D (ATP synthase F1 subunit delta).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 21.3 kDa Accurate Molecular Mass: 23 kDa

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Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Atp5d ATP synthase, H+ transporting, mitochondrial F1 complex, delta subunit [Mus musculus (house mouse)]
Official Symbol	Atp5d
Synonyms	ATP5D; ATP synthase, H+ transporting, mitochondrial F1 complex, delta subunit; ATP synthase subunit delta, mitochondrial; F-ATPase delta subunit; C85518; AA960090; AI876556; AU020773; 0610008F14Rik; 1500000I11Rik
Gene ID	66043
mRNA Refseq	NM_025313

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Protein Refseq	NP_079589
UniProt ID	Q9D3D9

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