Recombinant Rat Atp5a1, His-tagged

Cat. No. Atp5a1-3707R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ATP synthase subunit alpha, mitochondrial (Atp5a1)
Species	Rat
Source	E.Coli/Yeast
ProteinLength	553
Description	mediates production of the majority of cellular ATP; binds ATP and ADP .
Form	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
Purity	>90%
Notes	Small volumes of Atp5a1 recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice.
Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
Storage Buffer	PBS pH 7.4, 50% glycerol
Warning	This product is for research use only. Not for use in diagnostic or therapeutic

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	procedures.

GENE INFORMATION

Gene Name	Atp5a1 ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit 1, cardiac muscle [Rattus norvegicus]
Official Symbol	Atp5a1
Synonyms	ATP5A1; ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit 1, cardiac muscle; ATP synthase subunit alpha, mitochondrial; mitochondrial H+-ATP synthase alpha subunit; ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit, isoform 1;
Gene ID	65262
mRNA Refseq	NM_023093
Protein Refseq	NP_075581
Chromosome Location	18q12.3
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Electron Transport Chain, organism-specific biosystem; F-type ATPase, eukaryotes, organism-specific biosystem; Formation of ATP by chemiosmotic coupling, organism-sp
Function	ADP binding; ATP binding; ATP binding; ATP binding; ATPase activity; ATPase activity; contributes_to ATPase activity; MHC class I protein binding; MHC class I protein binding; eukaryotic cell surface binding; eukaryotic cell surface binding;

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	hydrogen ion transporting ATP synthase activity, rotational mechanism; hydrogen ion transporting ATP synthase activity, rotational mechanism; hydrolase activity, acting on acid anhydrides, catalyzing transmembrane movement of substances; nucleotide binding; proton-transporting ATPase activity, rotational mechanism;

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