

Recombinant Full Length Human ATP5J Protein, GST-tagged

Cat. No. ATP5J-1499HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview Human ATP5J full-length ORF (AAH01178, 1 a.a. - 108 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source In Vitro Cell Free System

ProteinLength 108 amino acids

Description

The protein encoded by this gene belongs to the family of P-type primary ion transport ATPases characterized by the formation of an aspartyl phosphate intermediate during the reaction cycle. These enzymes remove bivalent calcium ions from eukaryotic cells against very large concentration gradients and play a critical role in intracellular calcium homeostasis. The mammalian plasma membrane calcium ATPase isoforms are encoded by at least four separate genes and the diversity of these enzymes is further increased by alternative splicing of transcripts. The expression of different isoforms and splice variants is regulated in a developmental, tissue- and cell type-specific manner, suggesting that these pumps are functionally adapted to the physiological needs of particular cells and tissues. This gene encodes the plasma membrane calcium ATPase isoform 4. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

Molecular Mass 37.62 kDa

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AA Sequence	MILQRLFRFS SVIRSAVSVH LRRNIGVTAV AFNKELDPIQ KLFVDKIREY KSKRQTSGGP VDASSEYQQE LERELFKLKQ MFGNADMNTF PTFKFEDPKF EVIEKPQA
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	ATP5J ATP synthase, H+ transporting, mitochondrial Fo complex, subunit F6 [Homo sapiens]
Official Symbol	ATP5J
Synonyms	ATP5J; ATP synthase, H+ transporting, mitochondrial Fo complex, subunit F6; ATP synthase, H+ transporting, mitochondrial F0 complex, subunit F6 , ATP5, ATP5A, ATPM; ATP synthase-coupling factor 6, mitochondrial; CF6; coupling factor 6; ATPase subunit F6; proliferation-inducing protein 36; mitochondrial ATP synthase, subunit F6; mitochondrial ATPase coupling factor 6; mitochondrial ATP synthase, coupling factor 6; ATP synthase, H+ transporting, mitochondrial F0 complex, subunit F6; F6; ATP5; ATPM; ATP5A
Gene ID	522
mRNA Refseq	NM_001003696
Protein Refseq	NP_001003696

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MIM	603152
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UniProt ID	P18859
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