

Recombinant Full Length Human ATP5S Protein, GST-tagged

Cat. No. ATP5S-1224HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ATP5S full-length ORF (AAH11549, 1 a.a. - 127 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	127 amino acids
Description	This gene encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. ATP synthase is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, comprising the proton channel. This gene encodes the subunit s, also known as factor B, of the proton channel. This subunit is necessary for the energy transduction activity of the ATP synthase complexes. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]
Molecular Mass	39.71 kDa
AA Sequence	MCCAVSEQRL TCADQMMLFG KISQQLCGVK KLPWSCDSRY FWGWLNAVFN KVDYDRIRDV GPDRAASEWL LRCGAMVRYH GQERWQKDYN HLPTGPLDKY KIQAIDATDS CIMSIGFDHM ETSNICC

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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	ATP5S ATP synthase, H ⁺ transporting, mitochondrial Fo complex subunit s (factor B) [Homo sapiens (human)]
Official Symbol	ATP5S
Synonyms	ATP5S; ATP synthase, H ⁺ transporting, mitochondrial Fo complex subunit s (factor B); FB; ATPW; HSU79253; ATP synthase subunit s, mitochondrial; ATP synthase coupling factor B, mitochondrial; ATP synthase coupling factor B-like 1; ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit s (factor B); ATP synthase-coupling factor B; mitochondrial ATP synthase regulatory component factor B
Gene ID	27109
mRNA Refseq	NM_001003803
Protein Refseq	NP_001003803
MIM	618579
UniProt ID	Q99766

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