

Recombinant Full Length Human ATP5S Protein, GST-tagged

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

SPECIFICATION

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|-------------------------|---|
| 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 | <p>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, F_o, 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]</p> |
| Molecular Mass | 39.71 kDa |
| AA Sequence | <p>MCCAVSEQRL TCADQMMLFG KISQQLCGVK KLPWSCDSRY FWGWLNAVFN KVDYDRIRDV GPDRAASEWL LRCGAMVRYH GQERWQKDYN HLPTGPLDKY KIQAIDATDS CIMSIGFDHM ETSNICC</p> |

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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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