

Recombinant Human ATP5S Protein, His-tagged

Cat. No. ATP5S-2991H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATP5S protein, fused to His-tagged at N-terminus, was expressed in E. coli.
Species	Human
Source	E.coli
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.
Form	50 mM Tris, 8 M Urea, pH 8.0.
Molecular Mass	10.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	ATP5S ATP synthase, H ⁺ transporting, mitochondrial Fo complex subunit s (factor B) [Homo sapiens]
Official Symbol	ATP5S
Synonyms	ATPW; FB; HSU79253
Gene ID	27109
mRNA Refseq	NM_001003803.2
Protein Refseq	NP_001003803.1
UniProt ID	Q99766

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