Recombinant Human ATP5I, GST-tagged

Cat. No. ATP5I-3714H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ATP synthase subunit e, mitochondrial (ATP5I)
Species	Human
Source	E.Coli/Yeast
ProteinLength	69
Description	Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. It is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, which comprises the proton channel. The F1 complex consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled in a ratio of 3 alpha, 3 beta, and a single representative of the other 3. The Fo seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene encodes the e subunit of the Fo complex. Alternative splicing results in multiple transcript variants.
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 ATP5I 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

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	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 procedures.

GENE INFORMATION

Gene Name	ATP5I ATP synthase, H+ transporting, mitochondrial Fo complex, subunit E [Homo sapiens]
Official Symbol	ATP5I
Synonyms	ATP5I; ATP synthase, H+ transporting, mitochondrial Fo complex, subunit E; ATP synthase, H+ transporting, mitochondrial F0 complex, subunit e , ATP synthase, H+ transporting, mitochondrial F0 complex, subunit E; ATP synthase subunit e, mitochondrial; ATPase subunit e; ATP synthase e chain, mitochondrial; F1F0-ATP synthase, murine e subunit; ATP synthase, H+ transporting, mitochondrial F0 complex, subunit E; ATP5K; MGC12532;
Gene ID	521
mRNA Refseq	NM_007100
Protein Refseq	NP_009031
MIM	601519

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UniProt ID	P56385
Chromosome Location	4p16.3
Pathway	Electron Transport Chain, organism-specific biosystem; F-type ATPase, eukaryotes, organism-specific biosystem; Formation of ATP by chemiosmotic coupling, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-sp
Function	contributes_to ATPase activity; hydrogen ion transmembrane transporter activity; transmembrane transporter activity;

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