Recombinant Human ATP5J2 Protein, GST-His-tagged

Cat. No. ATP5J2-243H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATP5J2, transcript variant 1, fused with N-terminal GST and C-terminal His was expressed in E. coli.
Species	Human
Source	E.coli
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 catalytic portion of mitochondrial ATP synthase consists of five different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and single representatives of the gamma, delta, and epsilon subunits. The proton channel likely has nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene encodes the f subunit of the Fo complex. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. This gene has multiple pseudogenes. Naturally occurring read-through transcription also exists between this gene and the downstream pentatricopeptide repeat domain 1 (PTCD1) gene.
Form	25mM Tris, pH8.0, 150mM NaCl, 10% glycerol, 1% Sarkosyl.
Molecular Mass	38.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	ATP5J2 ATP synthase, H+ transporting, mitochondrial Fo complex, subunit F2 [Homo sapiens]
Official Symbol	ATP5J2
Synonyms	ATP5J2; ATP synthase, H+ transporting, mitochondrial Fo complex, subunit F2; ATP synthase, H+ transporting, mitochondrial F0 complex, subunit f, isoform 2 , ATP synthase, H+ transporting, mitochondrial F0 complex, subunit F2; ATP synthase subunit f, mitochondrial; ATP synthase f chain; mitochondrial; ATP5JL; F1Fo ATP synthase complex Fo membrane domain f subunit; F1Fo ATPase; F1Fo ATPase synthase f subunit; F1F0-type ATPase subunit f; F1Fo-ATPase synthase f subunit; ATP synthase f chain, mitochondrial; F1Fo-ATP synthase complex Fo membrane domain f subunit; ATP synthase, H+ transporting, mitochondrial F0 complex, subunit f, isoform 2;
Gene ID	9551
mRNA Refseq	NM_001003713
Protein Refseq	NP_001003713
UniProt ID	P56134

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