Recombinant Human ATP5F1 Protein, His-tagged

Cat. No. ATP5F1-134H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATP5F1 fused with His tag at N-terminal 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. The catalytic portion of mitochondrial ATP synthase consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and a single representative of the other 3. The proton channel seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene encodes the b subunit of the proton channel.
Form	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl.
Molecular Mass	28.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.

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

GENE INFORMATION

Gene Name	ATP5F1 ATP synthase, H+ transporting, mitochondrial Fo complex, subunit B1 [Homo sapiens]
Official Symbol	ATP5F1
Synonyms	ATP5F1; ATP synthase, H+ transporting, mitochondrial Fo complex, subunit B1; ATP synthase, H+ transporting, mitochondrial F0 complex, subunit b, isoform 1 , ATP synthase, H+ transporting, mitochondrial F0 complex, subunit B1; ATP synthase subunit b, mitochondrial; ATPase subunit b; H+-ATP synthase subunit b; ATP synthase B chain, mitochondrial; cell proliferation-inducing protein 47; ATP synthase, H+ transporting, mitochondrial F0 complex, subunit B1; ATP synthase, H+ transporting, mitochondrial F0 complex, subunit b, isoform 1; PIG47; MGC24431;
Gene ID	515
mRNA Refseq	NM_001688
Protein Refseq	NP_001679
MIM	603270
UniProt ID	P24539

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