Recombinant Human ATP5D Protein, MYC/DDK-tagged

Cat. No. ATP5D-2993H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATP5D protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
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 consists of three main subunits (a, b, c). This gene encodes the delta subunit of the catalytic core. Alternatively spliced transcript variants encoding the same isoform have been identified.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	15 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	ATP5D ATP synthase, H+ transporting, mitochondrial F1 complex, delta subunit [Homo sapiens]
Official Symbol	ATP5D
Synonyms	mitochondrial ATP synthase complex delta-subunit precusor; mitochondrial ATP synthase, delta subunit; ATP synthase, H+ transporting, mitochondrial F1 complex, delta subunit
Gene ID	513
mRNA Refseq	NM_001001975
Protein Refseq	NP_001001975
MIM	603150
UniProt ID	P30049

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