Recombinant Human ATP5F1D Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ATP5F1D-2998H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ATP5D MS Standard C13 and N15-labeled recombinant protein (NP_001678) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
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.
Molecular Mass	17.49 kDa
AA Sequence	MLPAALLRRPGLGRLVRHARAYAEAAAAPAAASGPNQMSFTFASPTQVFFNGANVR QVDVPTLTGAFGILAAHVPTLQVLRPGLVVVHAEDGTTSKYFVSSGSIAVNADSSVQ

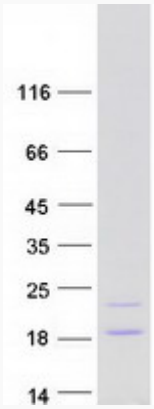
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	LLAEEAVTLDMLDLGAAKANLEKAQAELVGTADEATRAEIQIRIEANEALVKALETRTR PLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ATP5F1D ATP synthase F1 subunit delta [Homo sapiens (human)]
Official Symbol	ATP5F1D
Synonyms	ATP5F1D; ATP synthase F1 subunit delta; ATP5D; MC5DN5; ATP synthase subunit delta, mitochondrial; ATP synthase, H+ transporting, mitochondrial F1 complex, delta subunit; F-ATPase delta subunit; mitochondrial ATP synthase complex delta-subunit precusor; mitochondrial ATP synthase, delta subunit; EC 3.6.1.14
Gene ID	513
mRNA Refseq	NM_001687
Protein Refseq	NP_001678

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MIM	603150
UniProt ID	P30049
SDS-PAGE	

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