

## Recombinant Human ATP5D Protein, MYC/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ATP5D protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>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, F<sub>1</sub>, and the membrane-spanning component, F<sub>o</sub>, 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.</p>
<b>Form</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	15 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

## GENE INFORMATION

<b>Gene Name</b>	ATP5D ATP synthase, H <sup>+</sup> transporting, mitochondrial F1 complex, delta subunit [ Homo sapiens ]
<b>Official Symbol</b>	ATP5D
<b>Synonyms</b>	mitochondrial ATP synthase complex delta-subunit precursor; mitochondrial ATP synthase, delta subunit; ATP synthase, H <sup>+</sup> transporting, mitochondrial F1 complex, delta subunit
<b>Gene ID</b>	513
<b>mRNA Refseq</b>	NM_001001975
<b>Protein Refseq</b>	NP_001001975
<b>MIM</b>	603150
<b>UniProt ID</b>	P30049

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA