SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

MemDX™ Membrane Protein Human ATP5MC2 (ATP synthase membrane subunit c locus 2)

Full Length

Cat. No.: **MPC2720K**
This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human ATP5MC2 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
ATP5MC2

Protein Length
Full length

Protein Class
Transporter

TMD
2

Sequence
MFACSKFVSTPSLVKSTSQLLSRPLSAVVLKRPEILTDESLSSLAVSCPL
TSLVSSRSFQTSAISRDIDTAAKFIGAGAATVGVAGSGAGIGTVFGSLII
GYARNPSLKQQLFSYAILGFALSEAMGLFCLMVAFLILFAM

Product Description

Expression Systems
HEK293

Tag
Based on specific requirements

Protein Format
Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form
Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

ATP5MC2

Full Name

ATP synthase membrane subunit c locus 2

Introduction

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 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). There are three separate genes which encode subunit c of the proton channel and they specify precursors with different import sequences but identical mature proteins. The protein encoded by this gene is one of three precursors of subunit c. This gene has multiple pseudogenes.

Alternative Names

ATP5MC2; ATP5A; ATP5G2; ATP synthase F(0) complex subunit C2, mitochondrial; ATP synthase c subunit; ATP synthase lipid-binding protein, mitochondrial; ATP synthase proteolipid P2; ATP synthase proton-transporting mitochondrial F(0) complex subunit C2; ATP synthase, H+ transporting, mitochondrial F0 complex, subunit C2 (subunit 9); ATP synthase, H+ transporting, mitochondrial Fo complex subunit C2 (subunit 9); ATPase protein 9; ATPase subunit C; dicyclohexylcarbodiimide (DCCD)-reactive proteolipid subunit; ATP synthase membrane subunit c locus 2

Gene ID

517

UniProt ID

Q06055

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