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 ATP6V0E2 (ATPase H+ transporting V0 subunit e2) Full Length

Cat. No.: **MPC1757K**
This product is for research use only and is not intended for diagnostic use.

This product is a 9.1 kDa Human ATP6V0E2 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
ATP6V0E2

Protein Length
Full length

Protein Class
Transporter

Molecular Weight
9.1 kDa

TMD
2

Sequence
MTAHSFALPVIIFTTFWGLVGIAGPWFVPKGPNRGVIITMLVATAVCCYL
FWLIAILAQLNPLFGPQLKNETIWYVRFLWE

Product Description

Expression Systems
HEK293

Tag
Based on specific requirements

Protein Format
Detergent or based on specific requirements

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

ATP6V0E2

Full Name

ATPase H+ transporting V0 subunit e2

Introduction

Multisubunit vacuolar-type proton pumps, or H(+)-ATPases, acidify various intracellular compartments, such as vacuoles, clathrin-coated and synaptic vesicles, endosomes, lysosomes, and chromaffin granules. H(+)-ATPases are also found in plasma membranes of specialized cells, where they play roles in urinary acidification, bone resorption, and sperm maturation. Multiple subunits form H(+)-ATPases, with proteins of the V1 class hydrolyzing ATP for energy to transport H+, and proteins of the V0 class forming an integral membrane domain through which H+ is transported. ATP6V0E2 encodes an isoform of the H(+)-ATPase V0 e subunit, an essential proton pump component.

Alternative Names

ATP6V0E2; C7orf32; ATP6V0E2L; V-type proton ATPase subunit e 2; H+-ATPase e2 subunit; V-ATPase subunit e 2; V-ATPase subunit e1; lysosomal 9 kDa H(+)-transporting ATPase V0 subunit e2; vacuolar proton pump subunit e 2; vacuolar proton-ATPase subunit; ATPase H+ transporting V0 subunit e2

Gene ID

155066

UniProt ID

Q8NHE4

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