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Product Information

MemDX™ Membrane Protein Human ATP6AP1 (ATPase H+ transporting accessory protein 1) Full Length

Cat. No.: **MPC1958K**
This product is for research use only and is not intended for diagnostic use.

This product is a 52 kDa Human ATP6AP1 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
ATP6AP1

Protein Length
Full length

Protein Class
Transporter

Molecular Weight
52 kDa

TMD
1

Sequence
MMAAMATARVRMGPRCAQALWRMPWLPVFLSLAAAAAAAAAEQQVPLVLW
SSDRDLWAPAADTHEGHITSDLQLSTYLDPALELGPRNVLLFLQDKLSIE
DFTAYGGVFGNKQDSAFSNLENALDLAPSSLVLPAVDWYAVSTLTTYLQE
KLGASPLHVDLATLRELKLNASLPALLLIRLPYTASSGLMAPREVLTGND
EVIGQVLSTLKSEDVPYTAALTAVRPSRVARDVAVVAGGLGRQLLQKQPV
SPVIHPPVSYNDTAPRILFWAQNFSVAYKDQWEDLTPLTFGVQELNLTGS
FWNDSFARLSLTYERLFGTTVTFKFILANRLYPVSARHWFTMERLEVHSN
GSVAYFNASQVTGPSIYSFHCEYVSSLSKKGSLLVARTQPSPWQMMLQDF
QIQAFNVMGEQFSYASDCASFFSPGIWMGLLTSLFMLFIFTYGLHMILSL
KTMDRFDDHKGPTISLTQIV

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

ATP6AP1

Full Name

ATPase H+ transporting accessory protein 1

Introduction

This gene encodes a component of a multisubunit enzyme that mediates acidification of eukaryotic intracellular organelles. Vacuolar ATPase (V-ATPase) is comprised of a cytosolic V1 (site of the ATP catalytic site) and a transmembrane V0 domain. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, and receptor-mediated endocytosis. The encoded protein of this gene may assist in the V-ATPase-mediated acidification of neuroendocrine secretory granules. This protein may also play a role in early development.

Alternative Names

ATP6AP1; 16A; CF2; Ac45; XAP3; XAP-3; ATP6S1; VATPS1; ATP6IP1; V-type proton ATPase subunit S1; ATPase, H+ transporting, lysosomal (vacuolar proton pump), subunit 1; ATPase, H+ transporting, lysosomal accessory protein 1; ATPase, H+ transporting, lysosomal interacting protein 1; H-ATPase subunit; V-ATPase Ac45 subunit; V-ATPase S1 accessory protein; V-ATPase subunit S1; X-associated protein 3; epididymis secretory sperm binding protein; protein XAP-3; vacuolar ATPase subunit S1; vacuolar proton pump subunit S1; ATPase H+ transporting accessory protein 1

Gene ID

537

UniProt ID

Q15904

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