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Product Information

MemDX™ Membrane Protein Human ATP6V0A2 (ATPase H+ transporting V0 subunit a2) for Antibody Discovery

Cat. No.: **MP0097X**
This product is for research use only and is not intended for diagnostic use.

This product is a 66.66 kDa Human ATP6V0A2 membrane protein expressed in *in vitro* wheat germ expression system. 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
ATP6V0A2

Protein Length
Full-length

Molecular Weight
66.66 kDa

TMD
8

Sequence
MGSLFRSETMCLAQLFLQSGTAYECLSALGEKGLVQFRDLNQNVSSFQRKFVGEVKRCEELERILVYLVQEINRADIPLPEGEASPF

Product Description

Application
Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems
in vitro wheat germ expression system

Tag
GST-tag at N-terminal

Form
Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

ATP6V0A2

Full Name

ATPase H+ transporting V0 subunit a2

Introduction

The protein encoded by this gene is a subunit of the vacuolar ATPase (v-ATPase), an heteromultimeric enzyme that is present in intracellular vesicles and in the plasma membrane of specialized cells, and which is essential for the acidification of diverse cellular components. V-ATPase is comprised of a membrane peripheral V(1) domain for ATP hydrolysis, and an integral membrane V(0) domain for proton translocation. The subunit encoded by this gene is a component of the V(0) domain. Mutations in this gene are a cause of both cutis laxa type II and wrinkly skin syndrome

Alternative Names

ARCL; ATP6N1D; ATP6a2; J6B7; Stv1; TJ6; TJ6M; TJ6s; Vph1; WSS; a2; ATPase, H+ transporting, lysosomal V0 subunit A2,infantile malignant osteopetrosis

Gene ID

23545

UniProt ID

Q9Y487