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Product Information

MemDX™ Membrane Protein Human VDAC1 (Voltage dependent anion channel 1) Full Length

Cat. No.: **MPC1029K**
This product is for research use only and is not intended for diagnostic use.

This product is a 30.7 kDa Human VDAC1 membrane protein expressed in Cell-free in *E.coli*. 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
VDAC1

Protein Length
Full length

Protein Class
Transporter

Molecular Weight
30.7 kDa

TMD
19

Sequence
MAVPPTYADLGKSARDVFTKGYGFGLIKLDLKTKSENGLEFTSSGSANTE
TTKVTGSLETKYRWTEYGLTFTEKWNTDNTLGTEITVEDQLARGLKLTFD
SSFSPNTGKKNAKIKTGYKREHINLGCDMDFDIAGPSIRGALVLGYEGWL
AGYQMNFETAKSRVTQSNFAVGYKTDEFQLHTNVNDGTEFGGSIYQKVNK
KLETAVNLAWTAGNSNTRFGIAAKYQIDPDACFSAKVNNSSLIGLGYTQT
LKPGIKLTLSALLDGKNVNAGGHKLGLGLEFQA

Product Description

Expression Systems
Cell-free in *E.coli*

Tag
His tag at N-terminal

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 -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

VDAC1

Full Name

Voltage dependent anion channel 1

Introduction

This gene encodes a voltage-dependent anion channel protein that is a major component of the outer mitochondrial membrane. The encoded protein facilitates the exchange of metabolites and ions across the outer mitochondrial membrane and may regulate mitochondrial functions. This protein also forms channels in the plasma membrane and may be involved in transmembrane electron transport. Alternate splicing results in multiple transcript variants. Multiple pseudogenes of this gene are found on chromosomes 1, 2 3, 6, 9, 12, X and Y.

Alternative Names

VDAC1; PORIN; VDAC-1; voltage-dependent anion-selective channel protein 1; outer mitochondrial membrane protein porin 1; plasmalemmal porin; porin 31HL; porin 31HM; sperm binding protein 1a; hVDAC1; VDAC; Voltage dependent anion channel 1

Gene ID

7416

UniProt ID

P21796

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