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Product Information

MemDX™ Membrane Protein Human VDAC3 (Voltage dependent anion channel 3) Full Length

Cat. No.: **MPC2721K**
This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human VDAC3 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
VDAC3

Protein Length
Full length

Protein Class
Transporter

TMD
19

Sequence
MCNTPTYCDLGKAAKDVFNKGYGFGMVKIDLKTKSCSGVEFSTSGHAYTD
TGKASGNLETKYKVCNYGLTFTQKWNTDNTLGTEISWENKLAEGLKLTLD
TIFVPNTGKKSGKLKASYKRDCFSVGSNVDIDFSGPTIYGWAVLAFEGWL
AGYQMSFDTAKSKLSQNNFALGYKAADFQLHTHVNDGTEFGGSIYQKVNE
KIETSINLAWTAGSNNTRFGIAAKYMLDCRTSLSAKVNNASLIGLGYTQT
LRPGVKLTLSALIDGKNFSAGGHKVGLGFELEA

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

VDAC3

Full Name

Voltage dependent anion channel 3

Introduction

This gene encodes a voltage-dependent anion channel (VDAC), and belongs to the mitochondrial porin family. VDACs are small, integral membrane proteins that traverse the outer mitochondrial membrane and conduct ATP and other small metabolites. They are known to bind several kinases of intermediary metabolism, thought to be involved in translocation of adenine nucleotides, and are hypothesized to form part of the mitochondrial permeability transition pore, which results in the release of cytochrome c at the onset of apoptotic cell death. Alternatively transcript variants encoding different isoforms have been described for this gene.

Alternative Names

VDAC3; VDAC-3; HD-VDAC3; voltage-dependent anion-selective channel protein 3outer mitochondrial membrane protein porin 3; Voltage dependent anion channel 3

Gene ID

7419

UniProt ID

Q9Y277

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