

Product Information

MemDX™ Membrane Protein Human JPH1 (Junctophilin 1) Full Length

Cat. No.: **MPC1057K**

This product is for research use only and is not intended for diagnostic use.

This product is a 71.6 kDa Human JPH1 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

JPH1

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

71.6 kDa

TMD

1

Sequence

MTGGRFDFFDDGGTYCGGWEEGKAHGHGICTGPKGQGEYSGSWSHGFEVVG
GYTWPSGNTYQGYWAQGKRHGLGVETKGKWMYRGEWSHGFKGRYGVRQSL
CTPARYEGTWSNGLQDGYGVETYGDGGTYQQQWAGGMRHGYGVRQSVPYG
MATVIRSPLRTSLASLRSEQSNGSVLHDAADSPAGTRGGFVLNFHAD
AELAGKKKGGLFRRGSLGSMKLRKSESKSSSKRSSVRSDAAMSRIS
SDANSTISFGDVDCDFCPVEDHVDATTTETYMGEWKNDKRNGFGVSERSN
GMKYEGEWANNKRHGYGCTVFPDGSKEEGKYKNNILVRGIRKQLIPRHT
KTREKVDRAIEGAQRAAAMARTKVEIANSRTAHARAKADAADQAALAAARQ
ECDIARAVARELSPDFYQPGPDYVKQRFQEGVDAKENPEEKVPEKPPTPK
ESPHFYRKGTTPRSPPEASPKHSHSPASSPKPLKKQNPSSGARLNQDKRS
VADEQVTAIVNKPLMSKAPTKEAGAVVPQSKYSGRHHIPNPSNGELHSQY
HGYVVKLNAPQHPPVDVEDGDGSSQSSSALVHKPSANKWSPSKSVTKPVA
KESKAEPKAKKSELAIPKNPASNDSCPALEKEANS GPNSIMIVLVMLLNI
GLAILFVHFLT

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

Target

Target Protein

JPH1

Full Name

Junctophilin 1

Introduction

Junctional complexes between the plasma membrane and endoplasmic/sarcoplasmic reticulum are a common feature of all excitable cell types and mediate cross talk between cell surface and intracellular ion channels. The protein encoded by this gene is a component of junctional complexes and is composed of a C-terminal hydrophobic segment spanning the endoplasmic/sarcoplasmic reticulum membrane and a remaining cytoplasmic domain that shows specific affinity for the plasma membrane. This gene is a member of the junctophilin gene family.

Alternative Names

JPH1; JP1; JP-1; CMT2K; junctophilin-1; junctophilin type 1; Junctophilin 1

Gene ID

[56704](#)

UniProt ID

[Q9HDC5](#)