

Product Information

MemDX™ Membrane Protein Human JPH3 (Junctophilin 3) Full Length

Cat. No.: **MPC1059K**

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

This product is a 81.4 kDa Human JPH3 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

JPH3

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

81.4 kDa

TMD

1

Sequence

MSSGGRFNFDDGGSYCGGWEDGKAHGHGVCTGPKGQGEYTGSWSHGFEVL
GVYTWPSGNTYQGTWAQGKRHGIGLESKGKWVYKGEWTHGFKGRYGVREC
AGNGAKYEGTWSNGLQDGYGTETYSDGGTYQGQWVGGMRRQGYGVRQSVPY
GMAAVIRSPLRTSINSLRSEHTNGTALHPDASPAVAGSPAVSRGGFVLVA
HSDSEILKSKKKGLFRRSLLSGLKLRKSESKSSLASQRSKQSSFRSEAGM
STVSSTASDIHSTISLGEAEAEALAVIEDDIDATTTETIVGEWKNDKRSGF
GVSQRSDDLKYEGEWASNRHGYGCMTFPDGTKEEGKYKQNILVGGKRKN
LIPLRASKIREKVDRAVEAAERAATIAKQKAEIAASRTSHSRAKAEAAAL
AAQKAQEEARIARITAKEFSPSFQHRENGLEYQRPKRQTSCDDIEVLSTG
TPLQQESPELYRKGTTPSDLTPDDSPQLSFPTSPAATPPPAPAAPARNKVAH
FSRQVSVDEERGGDIQMLLEGRAGDCARSSWGEEQAGGSRGVRSGALRGG
LLVDDFRTRGSRGKQPGNPKPRERRTESPPVFTWTSHHRASNHSPGGSRL
LELQEEKLSNYRMEMKPLLRMETHPQKRYSKGGACRGLGDDHRPEDRGF
GVQRLRSKAQNKENFRPASSAEPVQKLASLRLGGAEPRLLRWDLTFSP
QKSLPVALESDEENGDELKSSTGSAPILVVMVILLNIGVAILFINFFI

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

JPH3

Full Name

Junctophilin 3

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. CAG/CTG repeat expansion from normally 6-28 repeats to 40-59 repeats in the 3' UTR of this gene have been associated with Huntington disease-like 2 (HDL2). This gene is a member of the junctophilin gene family. Alternatively spliced transcript variants have been described for this gene.

Alternative Names

JPH3; JP3; HDL2; JP-3; TNRC22; CAGL237; junctophilin-3; junctophilin type 3; trinucleotide repeat containing 22; Trinucleotide repeat-containing gene 22 protein; Junctophilin 3

Gene ID

[57338](#)

UniProt ID

[Q8WXH2](#)