

Product Information

MemDX™ Membrane Protein Human JPH2 (Junctophilin 2) Full Length

Cat. No.: **MPC1058K**

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

This product is a 74.2 kDa Human JPH2 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

JPH2

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

74.2 kDa

TMD

1

Sequence

MSGGRFDFFDDGGAYCGGWE GGKAHGHGLCTGPKGQGEYSGSWNFGFEVAG
VYTWPSGNTFEGYWSQGKRHGLGIETKGRWLYKGEWTHGFKGRYGRQSS
SSGAKYEGTWNNGLQDGYGTETYADGGTYQQQFTNGMRHGYGVRQSVPYG
MAVVVRSPPLRTSLSSLRSEHSNGTVAPDSPASPASDGPALPSPAIPRGF
ALSLLANAEEAARAPKGGGLFQRGALLGKLRRAESRTSVGSQRSRVFLK
SDLSSGASDAASTASLGEAAEGADEAAPFEADIDATTETYMGEWKNDKR
SGFGVSERSSGLRYEGEWLDNLRHGYGCTTLPDGHREEGKYRHNVLVKDT
KRRMLQLKSNKVRQKVEHSVEGAQRAAAIARQAEIAASRTSHAKAKAEA
AEQAALAANQESNIARTLARELAPDFYQPGPEYQKRRLLQEILENSESL
EPPDRGAGAAGLPQPPRESPQLHERETPRPEGGSPSPAGTPPQPKRPRPG
VSKDGLLSPGAWNGEPSGEGSRSVTPSEGAGRSPARPATERMAIEALQA
PPAPSREPEVALYQGYHSYAVRTTPPEPPPFDQPEPEVSGSESAPSSPA
TAPLQAPTLRGPEPARETPAKLEPKPIIPKAEPRAKARKTEARGLTKAGA
KKKARKEAALAAEAEVEVEEVPTILICMVILLNIGLAILFVHLLT

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

JPH2

Full Name

Junctophilin 2

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 splicing has been observed at this locus and two variants encoding distinct isoforms are described.

Alternative Names

JPH2; JP2; JP-2; CMH17; junctophilin-2; junctophilin type 2; Junctophilin-2 N-terminal fragment; JP2NT; Junctophilin 2

Gene ID

[57158](#)

UniProt ID

[Q9BR39](#)