

Product Information

MemDX™ Membrane Protein Human TPCN1 (Two pore segment channel 1) Full Length

Cat. No.: **MPC1081K**

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

This product is a 94.1 kDa Human TPCN1 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

TPCN1

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

94.1 kDa

TMD

12

Sequence

MAVSLDDDVPLILTLDEGGSAPLAPSNGLGQEELPSKNGGSYAIHDSQAP
SLSSGGESESPSSPAHNWEMNYQEAAIYLQEGENNDKFFTHPKDAKALAAAY
LFAHNHLFYLMELATALLLLLSLCEAPAVPALRLGIYVHATLELFALMV
VVFELCMKLRWLGLHTFIRHKRTMVKTSVLVVQFVEAIVLVRQMSHVRV
TRALRCIFLVDCRYCGGVRRNLQIFQSLPPFMDILLLLFFMIIFAILG
FYLFSPNPSPDPYFSTLENSIVSLFVLLTTANFPDVMMPSSYRNPNWSCVFF
IVYLSIELYFIMNLLAVVFDTFNDIEKRKFKSLLLHKRTAIQHAYRLLI
SQRRPAGISYRQFEGLMRFYKPRMSARERYLTFKALNQNNTPLLSLKDFY
DIYEVAALKWKAKKNREHWFEDELPTALLIFKGINILVKSQAFQYFMYLV
VAVNGVWILVETFMLKGGNFFSKHVPWSYLVFLTIVGVLEFLKAVAGLGPV
EYLSGWNLFDFSVTVFAFLGLLALALNMEPFYFIVVLRPLQLRLFLKLK
ERYRNVLDTMFELLPRMASLGLTLLIFYYSFAIVGMEFFCGIVFPNCCNT
STVADAYRWRNHTVGNRTVVEEGYYLNNFDNILNSFVTLFELTVVNNWY
IIMEGVTSQTSHWSRLYFMTFYIVTMVMTIIVAFILEAFVFRMNYSRKN
QDSEVDGGITLEKEISKEELVAVLELYREARGASSDVTRLLETLSQMERY
QQHSMVFLGRRSRTKSDLSLKMYYEEIQEWYEEHAREQEQQRQLSSSAAP
AAQQPPGSRQRSQTVT

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

TPCN1

Full Name

Two pore segment channel 1

Introduction

Voltage-gated Ca(2+) and Na+ channels have 4 homologous domains, each containing 6 transmembrane segments, S1 to S6. TPCN1 is similar to these channels, but it has only 2 domains containing S1 to S6.

Alternative Names

TPCN1; TPC1; two-pore channel 1, homolog; voltage-dependent calcium channel protein TPC1; two pore calcium channel protein 1; KIAA1169; Two pore segment channel 1

Gene ID

[53373](#)

UniProt ID

[Q9ULQ1](#)