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Product Information

MemDX™ Membrane Protein Human KCNK2 (Potassium two pore domain channel subfamily K member 2) Full Length

Cat. No.: **MPC0624K**
This product is for research use only and is not intended for diagnostic use.

This product is a 47 kDa Human KCNK2 membrane protein expressed in Baculovirus/Insect expression system. 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
KCNK2

Protein Length
Full length

Protein Class
Transporter; Ion channel

Molecular Weight
47 kDa

TMD
4

Sequence
MLPSASRERPGYRAGVAAPDLLDPKSAAQNSKPRLSFSTKPTVLASRVES
DTTINVMKWKTVSTIFLVVVLYLIIGATVFKALEQPHEISQRTTIVIQKQ
TFISQHSCVNSTELDELIQQIVAAINAGIIPLGNTSNQISHWDLGSSFFF
AGTVITTIGFGNISPRTEGGKIFCIIYALLGIPLFGFLLAGVGDQLGTIF
GKGIAKVEDTFIKWNVSQTKIRIISTIIFILFGCVLFVALPAIIFKHIEG
WSALDAIYFVVITLTTIGFGDYVAGGSDIEYLDFYKPVVWFWILVGLAYF
AAVLSMIGDWLRVISKKTKEEVGEFRAHAAEWTANVTAEFKETRRRLSVE
IYDKFQRATSIKRKLSAELAGNHNQELTPCRRTLSVNHLTSERDVLPPLL
KTESIYLNGLTPHCAGEEIAVIENIK

Product Description

Expression Systems
Baculovirus/Insect expression system

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

KCNK2

Full Name

Potassium two pore domain channel subfamily K member 2

Introduction

This gene encodes one of the members of the two-pore-domain background potassium channel protein family. This type of potassium channel is formed by two homodimers that create a channel that leaks potassium out of the cell to control resting membrane potential. The channel can be opened, however, by certain anesthetics, membrane stretching, intracellular acidosis, and heat. Three transcript variants encoding different isoforms have been found for this gene.

Alternative Names

TREK; TPKC1; TREK1; K2p2.1; TREK-1; hTREK-1c; hTREK-1e; potassium channel subfamily K member 2; K2P2.1 potassium channel; TREK-1 K(+) channel subunit; TWIK-related potassium channel 1; outward rectifying potassium channel protein TREK-1; potassium channel subfamily k member 2 variant 1; potassium channel subfamily k member 2 variant 2; potassium channel, two pore domain subfamily K, member 2; potassium inwardly-rectifying channel, subfamily K, member 2; tandem-pore-domain potassium channel TREK-1; two pore domain potassium channel TREK-1; two pore potassium channel TPKC1; two-pore potassium channel 1; KCNK2; Potassium two pore domain channel subfamily K member 2

Gene ID

3776

UniProt ID

O95069

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