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Product Information

MemDX™ Membrane Protein Human KCNK3 (Potassium two pore domain channel subfamily K member 3) Full Length

Cat. No.: **MPC0625K**
This product is for research use only and is not intended for diagnostic use.

This product is a 43.5 kDa Human KCNK3 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
KCNK3

Protein Length
Full length

Protein Class
Transporter; Ion channel

Molecular Weight
43.5 kDa

TMD
4

Sequence
MKRQNVRTLALIVCTFTYLLVGAAVFDALESEPELIERQRLELRQQELRA
RYNLSQGGYEELERVVLRLKPHKAGVQWRFAGSFYFAITVITTIGYGHAA
PSTDGGKVFCMFYALLGIPLTLVMFQSLGERINTLVRYLLHRAKKGLGMR
RADVSMANMVLIGFFSCISTLCIGAAAFSHYEHWTFFQAYYYCFITLTTI
GFGDYVALQKDQALQTQPQYVAFSFVYILTGLTVIGAFLNLVVLRFMTMN
AEDEKRDAEHRALLTRNGQAGGGGGGGSAHTTDTASSTAAAGGGGFRNVY
AEVLHFQSMCSCLWYKSREKLQYSIPMIIPRDLSTSDTCVEQSHSSPGGG
GRYSDTPSRRCLCSGAPRSAISSVSTGLHSLSTFRGLMKRRSSV

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

KCNK3

Full Name

Potassium two pore domain channel subfamily K member 3

Introduction

This gene encodes a member of the superfamily of potassium channel proteins that contain two pore-forming P domains. The encoded protein is an outwardly rectifying channel that is sensitive to changes in extracellular pH and is inhibited by extracellular acidification. Also referred to as an acid-sensitive potassium channel, it is activated by the anesthetics halothane and isoflurane. Although three transcripts are detected in northern blots, there is currently no sequence available to confirm transcript variants for this gene.

Alternative Names

OAT1; PPH4; TASK; TASK1; TBAK1; K2p3.1; TASK-1; potassium channel subfamily K member 3; TWIK-related acid-sensitive K(+) channel 1; TWIK-related acid-sensitive K+ 1; TWIK-related; acid-sensitive K+ channel; acid-sensitive potassium channel protein TASK; acid-sensitive potassium channel protein TASK-1; cardiac potassium channel; potassium channel, two pore domain subfamily K, member 3; potassium inwardly-rectifying channel, subfamily K, member 3; two P domain potassium channel; two pore K(+) channel KT3.1; two pore potassium channel KT3.1; KCNK3; Potassium two pore domain channel subfamily K member 3

Gene ID

3777

UniProt ID

O14649

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