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Product Information

MemDX™ Membrane Protein Human KCNK3 (Potassium two pore domain channel subfamily K member 3) for Antibody Discovery

Cat. No.: **MP1411J**
This product is for research use only and is not intended for diagnostic use.

This product is a 50.5 kDa Human KCNK3 membrane protein expressed in E.coli. 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
Ion Channel

Molecular Weight
50.5 kDa

Sequence
MKRQNVRTLALIVCTFTYLLVGAAVFDALESEPELIERQRLELRQQELRARYNLSQGGYEELERVVLRLKPHKAGVQWRFAGSFYF

Product Description

Expression Systems
E.coli

Tag
N-10xHis and C-Myc

Form
Liquid or Lyophilized powder

Reconstitution
Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration).

Purity

>85% as determined by SDS-PAGE

Buffer

Liquid: Tris/PBS-based buffer, 5%-50% glycerol
Lyophilized powder: Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

Store at +4°C for up to one week or several months at -80°C

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

Acid sensitive potassium channel protein TASK 1; Acid sensitive potassium channel protein TASK; Acid-sensitive potassium channel protein TASK-1; Cardiac two pore background K(+) channel; cTBAK 1; K2p3.1; KCNK3; KCNK3_HUMAN; OAT1; Potassium channel subfamily K member 3; potassium channel, subfamily K, member 3; Potassium inwardly rectifying channel subfamily K member 3; PPH4; rTASK; TASK 1; TASK; TBAK1; TWIK related acid sensitive K+ channel; TWIK-related acid-sensitive K(+) channel 1; Two P domain potassium channel; Two pore K(+) channel KT3.; Two pore K(+) channel KT3.1; Two pore potassium channel KT3.1; OAT1; PPH4; TASK; TASK1; TBAK1; K2p3.1; TASK-1

Gene ID

3777

UniProt ID

O14649