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Product Information

MemDX™ Membrane Protein Human KCNK1 (Potassium two pore domain channel subfamily K member 1) Full Length

Cat. No.: **MPC0616K**
This product is for research use only and is not intended for diagnostic use.

This product is a 38.1 kDa Human KCNK1 membrane protein expressed in Komagataella pastoris. 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
KCNK1

Protein Length
Full length

Protein Class
Transporter; Ion channel

Molecular Weight
38.1 kDa

TMD
4

Sequence
MLQSLAGSSCVRLVERHRSAWCFGFLVLGYLLYLVFGAVVFSSVELPYED
LLRQELRKLKRRFLEEHECLSEQQLEQFLGRVLEASNYGVSVLSNASGNW
NWDFTSALFFASTVLSTTGYGHTVPLSDGGKAFCIIYSVIGIPFTLLFLT
AVVQRITVHVTRRPVLYFHIRWGFSKQVVAIVHAVLLGFVTVSCFFFIPA
AVFSVLEDDWNFLESFYFCFISLSTIGLGDYVPGEGYNQKFRELYKIGIT
CYLLLGLIAMLVVLETFCELHELKKFRKMFYVKKDKDEDQVHIIEHDQLS
FSSITDQAAGMKEDQKQNEPFVATQSSACVDGPANH

Product Description

Expression Systems
Komagataella pastoris

Tag
10xHis tag at the N-terminus

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

KCNK1

Full Name

Potassium two pore domain channel subfamily K member 1

Introduction

This gene encodes one of the members of the superfamily of potassium channel proteins containing two pore-forming P domains. The product of this gene has not been shown to be a functional channel, however, it may require other non-pore-forming proteins for activity.

Alternative Names

DPK; HOHO; K2P1; KCNO1; TWIK1; K2p1.1; TWIK-1; potassium channel subfamily K member 1; inward rectifying potassium channel protein TWIK-1; potassium channel K2P1; potassium channel KCNO1; potassium channel, two pore domain subfamily K, member 1; potassium inwardly-rectifying channel, subfamily K, member 1; tandem of P domains in a weak inward rectifying K+ channel 1; KCNK1; Potassium two pore domain channel subfamily K member 1

Gene ID

3775

UniProt ID

O00180