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Product Information

MemDX™ Membrane Protein Human KCNC3 (Potassium voltage-gated channel subfamily C member 3) Expressed *in vitro E.coli* expression system, Full Length

Cat. No.: **MPX2868K**
This product is for research use only and is not intended for diagnostic use.

This product is a Human KCNC3 membrane protein expressed *in vitro E.coli* 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
KCNC3

Protein Length
Full Length

Protein Class
Ion channel, Transport

TMD
6

Sequence
MLSSVCVSSFRGRQGASKQQPAPPPQPPESPPPPPLPPQQQQPAQPGPAASPAGPPAPRGPGDRRAEPCPGLPAAAMGRHGG

Product Description

Expression Systems
in vitro E.coli expression system

Tag
10xHis tag at the N-terminus

Protein Format
Soluble

Form
Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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

KCNC3

Full Name

Potassium voltage-gated channel subfamily C member 3

Introduction

The Shaker gene family of Drosophila encodes components of voltage-gated potassium channels and is comprised of four subfamilies. Based on sequence similarity, this gene is similar to one of these subfamilies, namely the Shaw subfamily. The protein encoded by this gene belongs to the delayed rectifier class of channel proteins and is an integral membrane protein that mediates the voltage-dependent potassium ion permeability of excitable membranes. Alternate splicing results in several transcript variants.

Alternative Names

KCNC3; KV3.3; SCA13; KSHIIID; Shaw-related voltage-gated potassium channel protein 3; potassium channel, voltage gated Shaw related subfamily C, member 3; potassium voltage-gated channel, Shaw-related subfamily, member 3; voltage-gated potassium channel protein KV3.3; voltage-gated potassium channel subunit Kv3.3; Potassium voltage-gated channel subfamily C member 3

Gene ID

3748

UniProt ID

Q14003