

Product Information

MemDX™ Membrane Protein Human KCNC2 (Potassium voltage-gated channel subfamily C member 2) Expressed *in vitro* E.coli expression system, Full Length

Cat. No.: **MPX2840K**

This product is for research use only and is not intended for diagnostic use.

This product is a Human KCNC2 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

KCNC2

Protein Length

Full Length

Protein Class

Ion channel, Transport

TMD

6

Sequence

MGKIENNERVILNVGGTRHETYRSTLKTLPGTRLALLASSEPPGDCLTTAGDKLQPSPPPLSPPPRAPPLSPGPGGCFEGGAGNCS

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

KCNC2

Full Name

Potassium voltage-gated channel subfamily C member 2

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. Several transcript variants encoding different isoforms have been found for this gene.

Alternative Names

KCNC2; KV3.2; potassium channel, voltage gated Shaw related subfamily C, member 2; potassium voltage-gated channel, Shaw-related subfamily, member 2; shaw-like potassium channel; voltage-gated potassium channel Kv3.2; Potassium voltage-gated channel subfamily C member 2

Gene ID

[3747](#)

UniProt ID

[Q96PR1](#)