

Product Information

MemDX™ Membrane Protein Human KCNE4 (Potassium voltage-gated channel subfamily E regulatory subunit 4) Full Length

Cat. No.: **MPC0362K**

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

This product is a 23.8 kDa Human KCNE4 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

KCNE4

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

23.8 kDa

TMD

1

Sequence

MHFLTIYPNCSSGVVRAQSRTEQKNPLGLDDLGIQNLGQTVSLAPAVEAA
SMLKMEPLNSTHPGTAASSSPLESRAAGGGSGNGNEYFYILVVMsfyGIF
LIGIMLGymKSKRREKKSSLLLLYKDEERLWGEAMKPLPVVSGLRsvQVP
LMLNMLQESVAPALSCTLCsMEGDSVSSESSSPDVHltIQEEGADDELEE
TSETPLNESSEGSSENIHQNS

Product Description

Expression Systems

E.coli

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**

KCNE4

Full Name

Potassium voltage-gated channel subfamily E regulatory subunit 4

Introduction

Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. This gene encodes a member of the potassium channel, voltage-gated, Isk-related subfamily. This member is a type I membrane protein, and a beta subunit that assembles with a potassium channel alpha-subunit to modulate the gating kinetics and enhance stability of the multimeric complex. This gene is prominently expressed in the embryo and in adult uterus.

Alternative Names

MIRP3; potassium voltage-gated channel subfamily E member 4; MINK-related peptide 3; cardiac voltage-gated potassium channel accessory subunit 4; minimum potassium ion channel-related peptide 3; potassium channel subunit beta MiRP3; potassium channel, voltage gated subfamily E regulatory beta subunit 4; potassium voltage-gated channel, Isk-related family, member 4; KCNE4; Potassium voltage-gated channel subfamily E regulatory subunit 4

Gene ID

[23704](#)

UniProt ID

[Q8WWG9](#)