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Product Information

MemDX™ Membrane Protein Human KCNE1 (Potassium voltage-gated channel subfamily E regulatory subunit 1) Expressed *in vitro E.coli* expression system, Full Length

Cat. No.: **MPX3692K**
This product is for research use only and is not intended for diagnostic use.

This product is a Human KCNE1 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
KCNE1

Protein Length
Full Length

Protein Class
Ion channel, Transport

TMD
1

Sequence
MILSNTTAVTPFLTKLWQETVQQGGNMSGLARRSPRSSDGKLEALYVLMVLGFFGFFTLGIMLSYIRSKKLEHSNDPFNVYIESDAW

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

KCNE1

Full Name

Potassium voltage-gated channel subfamily E regulatory subunit 1

Introduction

The product of this gene belongs to the potassium channel KCNE family. Potassium ion channels are essential to many cellular functions and show a high degree of diversity, varying in their electrophysiologic and pharmacologic properties. This gene encodes a transmembrane protein known to associate with the product of the KVLQT1 gene to form the delayed rectifier potassium channel. Mutation in this gene are associated with both Jervell and Lange-Nielsen and Romano-Ward forms of long-QT syndrome. Alternatively spliced transcript variants encoding the same protein have been identified.

Alternative Names

KCNE1; ISK; JLNS; LQT5; MinK; JLNS2; LQT2/5; IKs producing slow voltage-gated potassium channel subunit beta Mink; Long QT syndrome 5; cardiac delayed rectifier potassium channel protein; delayed rectifier potassium channel subunit IsK; minimal potassium channel; potassium channel, voltage gated subfamily E regulatory beta subunit 1; potassium voltage-gated channel, Isk-related family, member 1; potassium voltage-gated channel, Isk-related subfamily, member 1; voltage gated potassiun channel accessory subunit; Potassium voltage-gated channel subfamily E regulatory subunit 1

Gene ID

3753

UniProt ID

P15382

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