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Product Information

MemDX™ Membrane Protein Human KCNE1 (Potassium voltage-gated channel subfamily E regulatory subunit 1) for Antibody Discovery

Cat. No.: **MP0578X**
This product is for research use only and is not intended for diagnostic use.

This product is a 37.29 kDa Human KCNE1 membrane protein expressed in *in vitro* wheat germ 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

Molecular Weight
37.29 kDa

TMD
1

Sequence
MILSNTTAVTPFLTKLWQETVQQGGNMSGLAHRSPRSGDGKLEALYVLMVLGFFGFFTLGIMLSYIRSKKLEHSNDPFNVYIESDAW

Product Description

Application
Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems
in vitro wheat germ expression system

Tag
GST-tag at N-terminal

Form
Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

Storage

Store at +4°C for up to one week or several months at -80°C

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

ISK; JLNS; LQT5; MinK; JLNS2; LQT2/5

Gene ID

3753

UniProt ID

P15382

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