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Product Information

MemDX™ Membrane Protein Human KCNE2 (Potassium voltage-gated channel subfamily E regulatory subunit 2 expressed in *in vitro* wheat germ expression system) for Antibody Discovery

Cat. No.: **MP0579X**
This product is for research use only and is not intended for diagnostic use.

This product is a 40.9 kDa Human KCNE2 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
KCNE2

Protein Length
Full-length

Molecular Weight
40.9 kDa

TMD
1

Sequence
MSTLSNFTQTLEDVFRRIFITYMDNWRQNTTAEQEALQAKVDAENFYYVILYLMVMIGMFSFIIVAILVSTVKSKRREHSNDPYHQYIV

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

KCNE2

Full Name

Potassium voltage-gated channel subfamily E regulatory subunit 2

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 small integral membrane subunit that assembles with the KCNH2 gene product, a pore-forming protein, to alter its function. This gene is expressed in heart and muscle and the gene mutations are associated with cardiac arrhythmia

Alternative Names

LQT5; LQT6; ATFB4; MIRP1

Gene ID

9992

UniProt ID

Q9Y6J6

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