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Product Information

MemDX™ Membrane Protein Human KCNE5 (Potassium voltage-gated channel subfamily E regulatory subunit 5) for Antibody Discovery

Cat. No.: **MP1124J**
This product is for research use only and is not intended for diagnostic use.

This product is a 14.8 kDa Human KCNE5 membrane protein expressed in HEK293T. 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
KCNE5

Protein Length
Full-length

Protein Class
Druggable Genome, Ion Channels: Other, Transmembrane

Molecular Weight
14.8 kDa

TMD
1

Sequence
MNCSESQRLRTLLSRLLLELHHRGNASGLGAGPRPSMGMGVVPDPFVGREVTSAKGDDAYLYILLIMIFY
ACLAGGLILAYTRSRKLVEAKDEPSQACAEHEWAPGGALTADAEAAAGSQAEGRRQLASEGLPALAQGAE
RV

Product Description

Expression Systems
HEK293T

Tag
C-Myc/DDK

Form
Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

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

Target

Target Protein

KCNE5

Full Name

Potassium voltage-gated channel subfamily E regulatory subunit 5

Introduction

This gene encodes a member of a family of single pass transmembrane domain proteins that function as ancillary subunits to voltage-gated potassium channels. Members of this family affect diverse processes in potassium channel regulation, including ion selectivity, voltage dependence, and anterograde recycling from the plasma membrane. Variants of this gene are associated with idiopathic ventricular fibrillation and Brugada syndrome.

Alternative Names

KCNE1L

Gene ID

23630

UniProt ID

Q9UJ90

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