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Product Information

MemDX™ Membrane Protein Human KCND3 (Potassium voltage-gated channel subfamily D member 3) for Antibody Discovery

Cat. No.: **MP0577X**
This product is for research use only and is not intended for diagnostic use.

This product is a 70 kDa Human KCND3 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
KCND3

Protein Length
Full-length

Molecular Weight
70 kDa

TMD
6

Sequence
MAAGVAAWLPFARAAAIGWMPVANCPMPLAPADKNKRQDELIVLNVSGRRFQTWRTTLERYPDTLLGSTEKEFFFNEDTKEYFFD

Product Description

Application
Antibody Production

Expression Systems
in vitro wheat germ expression system

Tag
NO

Protein Format
Liposome

Form

Liquid

Purification

None

Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol

Storage

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

Target

Target Protein

KCND3

Full Name

Potassium voltage-gated channel subfamily D member 3

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. Four sequence-related potassium channel genes - shaker, shaw, shab, and shal - have been identified in Drosophila, and each has been shown to have human homolog(s). This gene encodes a member of the potassium channel, voltage-gated, shal-related subfamily, members of which form voltage-activated A-type potassium ion channels and are prominent in the repolarization phase of the action potential. This member includes two isoforms with different sizes, which are encoded by alternatively spliced transcript variants of this gene

Alternative Names

KV4.3; SCA19; SCA22; BRGDA9; KCND3L; KCND3S; KSHIVB

Gene ID

3752

UniProt ID

Q9UK17