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Product Information

MemDX™ Membrane Protein Human KCNJ12 (Potassium inwardly rectifying channel subfamily J member 12) Expressed *in vitro E.coli* expression system, Full Length

Cat. No.: **MPX1831K**
This product is for research use only and is not intended for diagnostic use.

This product is a Human KCNJ12 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
KCNJ12

Protein Length
Full Length

Protein Class
Ion channel, Transport

TMD
2

Sequence
MTAASRANPYSIVSSEEDGLHLVTMSGANGFGNGKVHTRRRCRNRFVKKNGQCNIEFANMDEKSQRYLADMFTTCVDIRWRYML

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

KCNJ12

Full Name

Potassium inwardly rectifying channel subfamily J member 12

Introduction

This gene encodes an inwardly rectifying K+ channel which may be blocked by divalent cations. This protein is thought to be one of multiple inwardly rectifying channels which contribute to the cardiac inward rectifier current (IK1). The gene is located within the Smith-Magenis syndrome region on chromosome 17.

Alternative Names

KCNJ12; IRK2; hIRK; IRK-2; hIRK1; KCNJN1; Kir2.2; Kir2.2v; kcnj12x; hkir2.2x; ATP-sensitive inward rectifier potassium channel 12; inward rectifier K(+) channel Kir2.2v; inward rectifier K(+) channel Kir2.6; potassium channel, inwardly rectifying subfamily J, member 12; potassium inwardly-rectifying channel, subfamily J, inhibitor 1; potassium voltage-gated channel subfamily J member 12; Potassium inwardly rectifying channel subfamily J member 12

Gene ID

3768

UniProt ID

Q14500

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