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Product Information

MemDX™ Membrane Protein Human KCNJ12 (Potassium inwardly rectifying channel subfamily J member 12) for Antibody Discovery

Cat. No.: **MP0588X**
This product is for research use only and is not intended for diagnostic use.

This product is a 73.37 kDa Human KCNJ12 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
KCNJ12

Protein Length
Full-length

Molecular Weight
73.37 kDa

TMD
2

Sequence
MTAASRANPYSIVSSEEDGLHLVTMSGANGFGNGKVHTRRRCRNRFVKKNGQCNIEFANMDEKSQRYLADMFTTCVDIRWRYML

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

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 thoμght 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

IRK2; hIRK; IRK-2; hIRK1; KCNJN1; Kir2.2; Kir2.2v; kcnj12x; hkir2.2x

Gene ID

3768

UniProt ID

Q14500

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