

Product Information

MemDX™ Membrane Protein Human KCNJ9 (Potassium inwardly rectifying channel subfamily J member 9) for Antibody Discovery

Cat. No.: **MP1243J**

This product is for research use only and is not intended for diagnostic use.

This product is a 43.8 kDa Human KCNJ9 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

KCNJ9

Protein Length

Full-length

Protein Class

Druggable Genome, Ion Channels: Potassium, Transmembrane

Molecular Weight

43.8 kDa

TMD

2

Sequence

MAQENAAFSPGQEEPPRRRGRQRYVEKDGRGNVQQGNVRETYRYLTDLFTTLVDLQWRLSLLFFVLAYAL
TWLFFGAIWWLIAYGRGDLEHLEDTAWTPCVNNLNGFVA AFLFSIETETTIGYGHRVITDQCPEGIVLLL
LQAILGSMVNAFMVGCMFVKISQPNKRAATLVFSSHAVVSLRDGRLCLMFRVGD LRSSHIVEASIRAKLI
RSRQTLEGEFIPLHQTDL SVGFD TGDDRLFLVSPLVISHEIDAASPFWEASRRALERDDFEIVVILEGMV
EATGMT CQARSSYL VDEV LWGHRFTSVLTLEDGFYEVDYASFHETFEVPTPSCSARELAEAAAARLDAHLY
WSIPSRLDEKVEEEGAGEGAGGEAGADKEQNGCLPPPESESKV

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**

KCNJ9

Full Name

Potassium inwardly rectifying channel subfamily J member 9

Introduction

Potassium channels are present in most mammalian cells, where they participate in a wide range of physiologic responses. The protein encoded by this gene is an integral membrane protein and inward-rectifier type potassium channel. The encoded protein, which has a greater tendency to allow potassium to flow into a cell rather than out of a cell, is controlled by G-proteins. It associates with another G-protein-activated potassium channel to form a heteromultimeric pore-forming complex.

Alternative Names

GIRK3; KIR3.3; G protein-activated inward rectifier potassium channel 3; G protein-coupled inward rectifier potassium channel; inward rectifier K(+) channel Kir3.3; potassium channel, inwardly rectifying subfamily J member 9; inwardly rectifier K+ channel KIR3.3

Gene ID

[3765](#)

UniProt ID

[Q92806](#)