

Product Information

MemDX™ Membrane Protein Human KCNJ8 (Potassium inwardly rectifying channel subfamily J member 8) Full Length

Cat. No.: **MPC0614K**

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

This product is a 47.9 kDa Human KCNJ8 membrane protein expressed in HEK293. 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

KCNJ8

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

47.9 kDa

TMD

2

Sequence

MLARKSIPEEYVLARIAAENLRKPRIRDRLPKARFIAKSGACNLAHKNI
REQGRFLQDIFTTLVDLKWRHTLVIFTMSFLCSWLLFAIMWWLVAFAGHD
IYAYMEKSGMEKSGLESTVCVTNVRSTSAFLFSIEVQVTIGFGGRMMTE
ECPLAITVLILQNIIVGLIINAVMLGCFMKTAAQHRRRAETLIFSRHAVIA
VRNGKLCFMFRVGDRLKSMIISASVRIQVVKTTTPEGEVVPIHQLDIPV
DNPIESNNIFLVAPLIICHVIDKRSPLYDISATDLANQDLEVIVILEGVV
ETTGITQTARTSYIAEEIQWGHFRFVSIVTEEEGVYSVDYSKFGNTVKVAA
PRCSARELDEKPSILIQTLQKSELHQNSLRKRNSMRRNNSMRRNNSIRR
NNSSLMVPKVQFMTPEGNQNTSES

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

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

KCNJ8

Full Name

Potassium inwardly rectifying channel subfamily J member 8

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. Defects in this gene may be a cause of J-wave syndromes and sudden infant death syndrome (SIDS).

Alternative Names

KIR6.1; uKATP-1; ATP-sensitive inward rectifier potassium channel 8; inward rectifier K(+) channel Kir6.1; inwardly rectifying potassium channel KIR6.1; potassium channel, inwardly rectifying subfamily J member 8; potassium voltage-gated channel subfamily J member 8; KCNJ8; Potassium inwardly rectifying channel subfamily J member 8

Gene ID

[3764](#)

UniProt ID

[Q15842](#)