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Product Information

MemDX™ Membrane Protein Human KCNJ8 (Potassium inwardly rectifying channel subfamily J member 8) Expressed *in vitro E.coli* expression system, Full Length

Cat. No.: **MPX1825K**
This product is for research use only and is not intended for diagnostic use.

This product is a Human KCNJ8 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
KCNJ8

Protein Length
Full Length

Protein Class
Ion channel, Transport

TMD
2

Sequence
MLARKSIIPEEYVLARIAAENLRKPRIRDRLPKARFIAKSGACNLAHKNIREQGRFLQDIFTTLVDLKWRHTLVIFTMSFLCSWLLFAIM

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

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

KCNJ8; 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; Potassium inwardly rectifying channel subfamily J member 8

Gene ID

3764

UniProt ID

Q15842