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Product Information

MemDX™ Membrane Protein Human KCNJ10 (Potassium inwardly rectifying channel subfamily J member 10) Expressed in *E.coli* with 6xHis and SUMO tag at the N-terminus for Antibody Discovery, Partial (165-379aa)

Cat. No.: **MPX4489K**
This product is for research use only and is not intended for diagnostic use.

This product is a 39.8kDa Human KCNJ10 membrane protein expressed in *E.coli*. 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
KCNJ10

Protein Length
Partial (165-379aa)

Protein Class
Transporter; Ion channel

Molecular Weight
39.8kDa

TMD
2

Sequence
FLAKIARPKKRAETIRFSQHAVVASHNGKPCLMIRVANMRKSLLIGCQVTGKLLQTHQTKEGENIRLNQVNVTFQVDTASDSPFLILPI

Product Description

Expression Systems
E.coli

Tag
6xHis and SUMO tag at the N-terminus

Protein Format
Soluble

Form

Liquid or Lyophilized powder

Purity

>90% as determined by SDS-PAGE

Buffer

Tris-based buffer, 50% glycerol

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

KCNJ10

Full Name

Potassium inwardly rectifying channel subfamily J member 10

Introduction

This gene encodes a member of the inward rectifier-type potassium channel family, characterized by having a greater tendency to allow potassium to flow into, rather than out of, a cell. The encoded protein may form a heterodimer with another potassium channel protein and may be responsible for the potassium buffering action of glial cells in the brain. Mutations in this gene have been associated with seizure susceptibility of common idiopathic generalized epilepsy syndromes.

Alternative Names

KIR1.2; KIR4.1; SESAME; BIRK-10; KCNJ13-PEN; ATP-sensitive inward rectifier potassium channel 10; ATP-dependent inwardly rectifying potassium channel Kir4.1; glial ATP-dependent; inwardly rectifying potassium channel KIR4.1; inward rectifier K(+) channel Kir1.2; inward rectifier K+ channel KIR1.2; potassium channel, inwardly rectifying subfamily J member 10; potassium voltage-gated channel subfamily J member 10; KCNJ10; Potassium inwardly rectifying channel subfamily J member 10

Gene ID

3766

UniProt ID

P78508

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