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Product Information

MemDX™ Membrane Protein Human KCNJ6 (Potassium inwardly rectifying channel subfamily J member 6) expressed in HEK293T for Antibody Discovery

Cat. No.: **MP1226J**
This product is for research use only and is not intended for diagnostic use.

This product is a 48.3 kDa Human KCNJ6 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
KCNJ6

Protein Length
Full-length

Protein Class
Druggable Genome, Ion Channels: Potassium, Transmembrane

Molecular Weight
48.3 kDa

TMD
2

Sequence
MAKLTESMTNVLEGDSMDQDVESPVAIHQPKLPKQARDDLPRHISRDRTKRKIQRYVRKDGKCNVHHGNV
RETYRYLTDIFTTLVDLKWRFNLLIFVMVYTVTWLFFGMIWWLIAYIRGDMDHIEDPSWTPCVTNLNGFV
SAFLFSIETETTIGYGYRVITDKCPEGIILLLIQSVLGSIVNAFMVGCMFVKISQPKKRAETLVFSTHAV
ISMRDGKLCLMFRVGDLRNSHIVEASIRAKLIKSKQTSEGEFIPLNQTDINVGYYTGDDRLFLVSPLIIS
HEINQQSPFWEISKAQLPKEELEIVVILEGMVEATGMTCQARSSYITSEILWGYRFTPVLTLEDGFYEVD
YNSFHETYETSTPSLSAKELAELASRAELPLSWSVSSKLNQHAELETEEEEKNLEEQTERNGDVANLENE
SKV

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

KCNJ6

Full Name

Potassium inwardly rectifying channel subfamily J member 6

Introduction

This gene encodes a member of the G protein-coupled inwardly-rectifying potassium channel family of inward rectifier potassium channels. This type of potassium channel allows a greater flow of potassium into the cell than out of it. These proteins modulate many physiological processes, including heart rate in cardiac cells and circuit activity in neuronal cells, through G-protein coupled receptor stimulation. Mutations in this gene are associated with Keppen-Lubinsky Syndrome, a rare condition characterized by severe developmental delay, facial dysmorphism, and intellectual disability.

Alternative Names

BIR1; GIRK2; KATP2; KCNJ7; KPLBS; GIRK-2; KATP-2; KIR3.2; hiGIRK2; G protein-activated inward rectifier potassium channel 2; inward rectifier K(+) channel Kir3.2; inward rectifier potassium channel KIR3.2

Gene ID

3763

UniProt ID

P48051

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