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Product Information

MemDX™ Membrane Protein Human KCNJ12 (Potassium inwardly rectifying channel subfamily J member 12) Full Length

Cat. No.: **MPC0604K**
This product is for research use only and is not intended for diagnostic use.

This product is a 49 kDa Human KCNJ12 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
KCNJ12

Protein Length
Full length

Protein Class
Transporter; Ion channel

Molecular Weight
49 kDa

TMD
2

Sequence
MTAASRANPYSIVSSEEDGLHLVTMSGANGFGNGKVHTRRRCRNRFVKKN
GQCNIEFANMDEKSQRYLADMFTTCVDIRWRYMLLIFSLAFLASWLLFGI
IFWVIAVAHGDLEPAEGRGRTPCVMQVHGFMAAFLFSIETQTTIGYGLRC
VTEECPVAVFMVVAQSIVGCIIDSFMIGAIMAKMARPKKRAQTLLFSHNA
VVALRDGKLCLMWRVGNLRKSHIVEAHVRAQLIKPRVTEEGEYIPLDQID
IDVGFDKGLDRIFLVSPITILHEIDEASPLFGISRQDLETDDFEIVVILE
GMVEATAMTTQARSSYLANEILWGHRFEPVLFEEKNQYKIDYSHFHKTYE
VPSTPRCSAKDLVENKFLLPSANSFCYENELAFLSRDEEDEADGDQDGRS
RDGLSPQARHDFDRLQAGGGVLEQRPYRRESEI

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

KCNJ12

Full Name

Potassium inwardly rectifying channel subfamily J member 12

Introduction

This gene encodes an inwardly rectifying K+ channel which may be blocked by divalent cations. This protein is thought to be one of multiple inwardly rectifying channels which contribute to the cardiac inward rectifier current (IK1). The gene is located within the Smith-Magenis syndrome region on chromosome 17.

Alternative Names

IRK2; hIRK; IRK-2; hIRK1; KCNJN1; Kir2.2; Kir2.2v; kcnj12x; hkir2.2x; ATP-sensitive inward rectifier potassium channel 12; inward rectifier K(+) channel Kir2.2v; inward rectifier K(+) channel Kir2.6; potassium channel, inwardly rectifying subfamily J, member 12; potassium inwardly-rectifying channel, subfamily J, inhibitor 1; potassium voltage-gated channel subfamily J member 12; KCNJ12; Potassium inwardly rectifying channel subfamily J member 12

Gene ID

3768

UniProt ID

Q14500

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