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Product Information

MemDX™ Membrane Protein Human KCNMB1 (Potassium calcium-activated channel subfamily M regulatory beta subunit 1) Full Length

Cat. No.: **MPC0632K**
This product is for research use only and is not intended for diagnostic use.

This product is a 21.7 kDa Human KCNMB1 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
KCNMB1

Protein Length
Full length

Protein Class
Transporter; Ion channel

Molecular Weight
21.7 kDa

TMD
2

Sequence
MVKKLVMAQKRGETRALCLGVTMVVCAVITYYILVTTVLPLYQKSVWTQE
SKCHLIETNIRDQEELKGKKVPQYPCLWVNVSAAGRWAVLYHTEDTRDQN
QQCSYIPGSVDNYQTARADVEKVRAKFQEQQVFYCFSAPRGNETSVLFQR
LYGPQALLFSLFWPTFLLTGGLLIIAMVKSNQYLSILAAQK

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

KCNMB1

Full Name

Potassium calcium-activated channel subfamily M regulatory beta subunit 1

Introduction

MaxiK channels are large conductance, voltage and calcium-sensitive potassium channels which are fundamental to the control of smooth muscle tone and neuronal excitability. MaxiK channels can be formed by 2 subunits: the pore-forming alpha subunit and the product of this gene, the modulatory beta subunit. Intracellular calcium regulates the physical association between the alpha and beta subunits.

Alternative Names

hbeta1; BKbeta1; SLO-BETA; hslo-beta; K(VCA)beta; slo-beta-1; k(VCA)beta-1; calcium-activated potassium channel subunit beta-1; BK channel beta subunit 1; BK channel subunit beta-1; MaxiK channel beta-subunit 1; big potassium channel beta subunit 1; calcium-activated potassium channel, subfamily M subunit beta-1; charybdotoxin receptor subunit beta-1; large; conductance Ca2+-activated K+ channel beta 1 subunit; maxi K channel subunit beta-1; potassium channel subfamily M regulatory beta subunit 1; potassium large conductance calcium-activated channel, subfamily M, beta member 1; KCNMB1; Potassium calcium-activated channel subfamily M regulatory beta subunit 1

Gene ID

3779

UniProt ID

Q16558