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Product Information

MemDX™ Membrane Protein Human KCNMB2 (Potassium calcium-activated channel subfamily M regulatory beta subunit 2) Full Length

Cat. No.: **MPC0633K**
This product is for research use only and is not intended for diagnostic use.

This product is a 27.1 kDa Human KCNMB2 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
KCNMB2

Protein Length
Full length

Protein Class
Transporter; Ion channel

Molecular Weight
27.1 kDa

TMD
2

Sequence
MFIWTSGRTSSSYRHDEKRNIYQKIRDHDLLDKRKTVTALKAGEDRAILL
GLAMMVCSIMMYFLLGITLLRSYMQSVWTEESQCTLLNASITETFNCSFS
CGPDCWKLSQYPCLQVYVNLTSSGEKLLLYHTEETIKINQKCSYIPKCGK
NFEESMSLVNVVMENFRKYQHFSCYSDPEGNQKSVILTKLYSSNVLFHSL
FWPTCMMAGGVAIVAMVKLTQYLSLLCERIQRINR

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

KCNMB2

Full Name

Potassium calcium-activated channel subfamily M regulatory beta subunit 2

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 modulatory beta subunit. The protein encoded by this gene is an auxiliary beta subunit which decreases the activation time of MaxiK alpha subunit currents. Alternative splicing results in multiple transcript variants of this gene. Additional variants are discussed in the literature, but their full length nature has not been described.

Alternative Names

Calcium-activated potassium channel subunit beta-2; BK channel beta subunit 2; BK channel subunit beta-2; MaxiK channel beta 2 subunit; MaxiK channel beta-subunit 2; big potassium channel beta subunit 2; charybdotoxin receptor subunit beta-2; hCG1646471; hbeta2; k(VCA)beta-2; large conductance calcium-activated potassium channel beta 2 subunit; large-conductance Ca2+-activated K+ channel beta2 subunit; potassium channel subfamily M regulatory beta subunit 2; potassium large conductance calcium-activated channel, subfamily M, beta member 2; slo-beta-2; KCNMB2; Potassium calcium-activated channel subfamily M regulatory beta subunit 2

Gene ID

10242

UniProt ID

Q9Y691

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