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Product Information

MemDX™ Membrane Protein Human CACNG1 (Calcium voltage-gated channel auxiliary subunit gamma 1) Full Length

Cat. No.: **MPC2269K**
This product is for research use only and is not intended for diagnostic use.

This product is a 25 kDa Human CACNG1 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
CACNG1

Protein Length
Full length

Protein Class
Transporter; Ion channel

Molecular Weight
25 kDa

TMD
4

Sequence
MSQTKMLKVRVTLFCILAGIVLAMTAVVTDHWAVLSPHMEHHNTTCEAAH
FGLWRICTKRIPMDDSKTCGPITLPGEKNCSYFRHFNPGESSEIFEFTTQ
KEYSISAAAIAIFSLGFIILGSLCVLLSLGKKRDYLLRPASMFYAFAGLC
ILVSVEVMRQSVKRMIDSEDTVWIEYYYSWSFACACAAFILLFLGGLALL
LFSLPRMPRNPWESCMDAEPEH

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 -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

CACNG1

Full Name

Calcium voltage-gated channel auxiliary subunit gamma 1

Introduction

Voltage-dependent calcium channels are composed of five subunits. The protein encoded by this gene represents one of these subunits, gamma, and is one of two known gamma subunit proteins. This particular gamma subunit is part of skeletal muscle 1,4-dihydropyridine-sensitive calcium channels and is an integral membrane protein that plays a role in excitation-contraction coupling. This gene is part of a functionally diverse eight-member protein subfamily of the PMP-22/EMP/MP20 family and is located in a cluster with two family members that function as transmembrane AMPA receptor regulatory proteins (TARPs).

Alternative Names

CACNG1; CACNLG; voltage-dependent calcium channel gamma-1 subunit; L-type calcium channel gamma polypeptide; calcium channel, voltage-dependent, gamma subunit 1; dihydropyridine-sensitive L-type, skeletal muscle calcium channel subunit gamma; neuronal dihydropyridine-sensitive calcium channel gamma subunit; Calcium voltage-gated channel auxiliary subunit gamma 1

Gene ID

786

UniProt ID

Q06432

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