

Product Information

MemDX™ Membrane Protein Human CACNG3 (Calcium voltage-gated channel auxiliary subunit gamma 3) Full Length

Cat. No.: **MPC1514K**

This product is for research use only and is not intended for diagnostic use.

This product is a 35.5 kDa Human CACNG3 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

CACNG3

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

35.5 kDa

TMD

4

Sequence

MRMCDRGIQMLITTVGAFAAFSLMTIAVGTDYWLYSRGVCRTKSTSDNET
SRKNEEVMTTHSGLWRTCCLEGAFRGVCKKIDHFPEDADYEQDTAEYLLRA
VRASSVFPILSVTLLFFGGLCVAASEFHRSRHNVLISAGIFFVSAGLSNI
IGIIVYISANAGDPGQRDSKKSYSYGWSFYFGAFSFIIEIVGVVAVHIY
IEKHQQLRAKSHSEFLKSTFARLPPYRYRFRSSSRSTEPRSRDLSP
SKGFHTIPSTDISMFTLSRDPSKITMGTLNLSDRDHAFLLQFHNSTPKEFK
ESLHNNPANRRRTPV

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**

CACNG3

Full Name

Calcium voltage-gated channel auxiliary subunit gamma 3

Introduction

The protein encoded by this gene is a type I transmembrane AMPA receptor regulatory protein (TARP). TARPs regulate both trafficking and channel gating of the AMPA receptors. This gene is part of a functionally diverse eight-member protein subfamily of the PMP-22/EMP/MP20 family. This gene is a susceptibility locus for childhood absence epilepsy.

Alternative Names

CACNG3; Voltage-dependent calcium channel gamma-3 subunit; TARP gamma-3; calcium channel, voltage-dependent, gamma subunit 3; neuronal voltage-gated calcium channel gamma-3 subunit; transmembrane AMPAR regulatory protein gamma-3; voltage-gated calcium channel gamma subunit; Calcium voltage-gated channel auxiliary subunit gamma 3

Gene ID

[10368](#)

UniProt ID

[O60359](#)