

Product Information

MemDX™ Membrane Protein Human CACNG5 (Calcium voltage-gated channel auxiliary subunit gamma 5) Full Length

Cat. No.: **MPC0440K**

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

This product is a 30.9 kDa Human CACNG5 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

CACNG5

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

30.9 kDa

TMD

4

Sequence

MSACGRKALTLSSVFAVCGLGLLGIADVSTDYWLYLEEGVIVPQNQSTEI
KMSLHSGLRVCFVLAGEERGRCFTIEYVMPMNTQLTSESTVNVLMIRSA
TPFPLVSLFFMFIGFILNNIGHIRPHRTILAFVSGIFFILSGLSLVGLV
LYISSINDEMLNRTKDAETYFNYKYGWSFAFAAISFLLTESAGVMSVYLF
MKRYTAEDMYRPHPGFYRPRLSNCSDSYSGQFLHPDAWVRGRSPDISSEA
SLQMNSNYPALLKCPDYDQMSSSPC

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**

CACNG5

Full Name

Calcium voltage-gated channel auxiliary subunit gamma 5

Introduction

The protein encoded by this gene is a type II 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 and is located in a cluster with two family members, a type I TARP and a calcium channel gamma subunit. This gene is a susceptibility locus for schizophrenia and bipolar disorder.

Alternative Names

voltage-dependent calcium channel gamma-5 subunit; TARP gamma-5; calcium channel, voltage-dependent, gamma subunit 5; neuronal voltage-gated calcium channel gamma-5 subunit; transmembrane AMPAR regulatory protein gamma-5; CACNG5; Calcium voltage-gated channel auxiliary subunit gamma 5

Gene ID

[27091](#)

UniProt ID

[Q9UF02](#)