

Product Information

MemDX™ Membrane Protein Human CACNG6 (Calcium voltage-gated channel auxiliary subunit gamma 6) for Antibody Discovery

Cat. No.: **MP1224J**

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

This product is a 27.9 kDa Human CACNG6 membrane protein expressed in HEK293T. 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

CACNG6

Protein Length

Full-length

Protein Class

Druggable Genome, Ion Channels: Other, Transmembrane

Molecular Weight

27.9 kDa

TMD

4

Sequence

MMWSNFFLQEENRRRGAAGRRRAHGQGRSGLTPEREGKVKLALLLAAVGATLAVLSVGTEFWVELNTYKA
NGSAVCEAAHLGLWKACTKRLWQADVPVDRDTCGPAELPGEANCTYKFFFTTGENARIFQRTTKKEVNLA
AAVIAVLGLAVMALGCLCIIMVLSKGAEFLLRVGAVCFGLSGLLLLVSLEVFRHSVRALLQRVSPPEPPA
PRLTYEYSWSLGCVGAGLILLGAGCFLLLTLPSPWPWGSLCPKRGHRAT

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

CACNG6

Full Name

Calcium voltage-gated channel auxiliary subunit gamma 6

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 an integral membrane protein that is thought to stabilize the calcium channel in an inactive (closed) state. 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 splicing results in multiple transcript variants. Variants in this gene have been associated with aspirin-intolerant asthma.

Alternative Names

2310033H20Rik; AW050150; calcium channel, voltage-dependent, gamma subunit 6; MGC144251; MGC144252; voltage-dependent calcium channel gamma-6 subunit; neuronal voltage-gated calcium channel gamma-6 subunit

Gene ID

[59285](#)

UniProt ID

[Q9BXT2](#)