

Product Information

MemDX™ Membrane Protein Human CACNG7 (Calcium voltage-gated channel auxiliary subunit gamma 7) for Antibody Discovery

Cat. No.: **MP0154X**

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

This product is a 57.4 kDa Human CACNG7 membrane protein expressed in *in vitro* wheat germ expression system. 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

CACNG7

Protein Length

Full-length

Molecular Weight

57.4 kDa

TMD

4

Sequence

MSHCSSRALTLSSVFGACGLLLVGIAVSTDYWLMEEGTVLPQNQTTEVKMALHAGLWRVCFFAGREKGRCVASEYFLEPEINLV

Product Description

Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems

in vitro wheat germ expression system

Tag

GST-tag at N-terminal

Form

Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

Storage

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

Target**Target Protein**

CACNG7

Full Name

Calcium voltage-gated channel auxiliary subunit gamma 7

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

Alternative Names

CACNG7; OTTHUMP00000067298; neuronal voltage-gated calcium channel gamma-7 subunit; voltage-dependent calcium channel gamma-7 subunit

Gene ID

[59284](#)

UniProt ID

[P62955](#)