

Product Information

MemDX™ Membrane Protein Human CACNG7 (Calcium voltage-gated channel auxiliary subunit gamma 7) Expressed *in vitro* E.coli expression system, Full Length

Cat. No.: **MPX2366K**

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

This product is a Human CACNG7 membrane protein expressed *in vitro* E.coli 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

Protein Class

Ion channel, Transport

TMD

4

Sequence

MSHCSSRALTLSSVFGACGLLLVGIAVSTDYWLMEEGTVLPQNQTTEVKMALHAGLWRVCFFAGREKGRCVASEYFLEPEINLV

Product Description

Expression Systems

in vitro E.coli expression system

Tag

10xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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

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; voltage-dependent calcium channel gamma-7 subunit; TARP gamma-7; calcium channel, voltage-dependent, gamma subunit 7; neuronal voltage-gated calcium channel gamma-7 subunit; transmembrane AMPAR regulatory protein gamma-7; Calcium voltage-gated channel auxiliary subunit gamma 7

Gene ID

[59284](#)

UniProt ID

[P62955](#)