

# Product Information

## MemDX™ Membrane Protein Human CACNG5 (Calcium voltage-gated channel auxiliary subunit gamma 5) for Antibody Discovery

Cat. No.: **MP0153X**

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

This product is a 59.2 kDa Human CACNG5 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

CACNG5

#### Protein Length

Full-length

#### Molecular Weight

59.2 kDa

#### TMD

4

#### Sequence

MSACGRKALTLLSSVFAVCGLGLLGIAVSTDYWLYLEEGVIVPQNQSTEIKMSLHSGWLWRVCFLAGEERGRCFTIEYVMPMNTQLTS

### 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**

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**

MGC126656; MGC126682; neuronal voltage-gated calcium channel gamma-5 subunit; voltage-dependent calcium channel gamma-5 subunit

**Gene ID**

[27091](#)

**UniProt ID**

[Q9UF02](#)