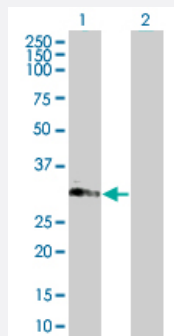


CACNG2 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00010369-T01

Size 100 uL

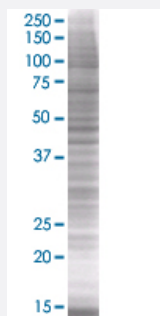
Applications



Western Blot

Lane 1: CACNG2 transfected lysate (36 KDa)

Lane 2: Non-transfected lysate.



SDS-PAGE Gel

CACNG2 transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-CACNG2 full-length
Host	Human
Theoretical MW (kDa)	35.64
Quality Control Testing	Transient overexpression cell lysate was tested with Anti-CACNG2 antibody (H00010369-B01) by Western Blots. Western Blot Lane 1: CACNG2 transfected lysate (36 KDa) Lane 2: Non-transfected lysate. SDS-PAGE Gel CACNG2 transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — CACNG2

Entrez GeneID	10369
GeneBank Accession#	NM_006078
Protein Accession#	NP_006069
Gene Name	CACNG2
Gene Alias	MGC138502, MGC138504
Gene Description	calcium channel, voltage-dependent, gamma subunit 2
Omim ID	602911
Gene Ontology	Hyperlink
Gene Summary	L-type calcium channels are composed of five subunits. The protein encoded by this gene represents one of these subunits, gamma, and is one of several gamma subunit proteins. It is an integral membrane protein that is thought to stabilize the calcium channel in an inactive (closed) state. This protein is similar to the mouse stargazin protein, mutations in which have been associated with absence seizures, also known as petit-mal or spike-wave seizures. This gene is a member of the neuronal calcium channel gamma subunit gene subfamily of the PMP-22/EMP/MP20 family. [provided by RefSeq]
Other Designations	neuronal voltage-gated calcium channel gamma-2 subunit stargazin voltage-dependent calcium channel gamma-2 subunit

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Cardiac muscle contraction](#)

- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [MAPK signaling pathway](#)

Disease

- [Attention](#)
- [Bipolar Disorder](#)
- [Cognition](#)
- [Genetic Predisposition to Disease](#)
- [Neuropsychological Tests](#)
- [Problem Solving](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Weight Gain](#)