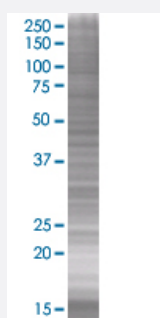


CACNG7 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00059284-T01

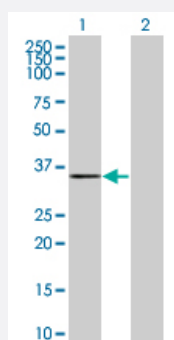
Size 100 uL

Applications



SDS-PAGE Gel

CACNG7 transfected lysate.



Western Blot

Lane 1: CACNG7 transfected lysate (31 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-CACNG7 full-length

Host Human

Theoretical MW (kDa) 30.36

Quality Control Testing Transient overexpression cell lysate was tested with Anti-CACNG7 antibody ([H00059284-B01](#)) by Western Blots.
 SDS-PAGE Gel
 CACNG7 transfected lysate.
 Western Blot
 Lane 1: CACNG7 transfected lysate (31 KDa)
 Lane 2: Non-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 — CACNG7

Entrez GeneID	59284
GeneBank Accession#	NM_031896
Protein Accession#	NP_114102
Gene Name	CACNG7
Gene Alias	-
Gene Description	calcium channel, voltage-dependent, gamma subunit 7
Omim ID	606899
Gene Ontology	Hyperlink
Gene Summary	The mouse protein stargazin is one of five subunits comprising neuronal voltage-gated calcium channels. This subunit, gamma, is thought to stabilize the calcium channel in an inactive (closed) state. Mutations in the gene encoding stargazin have been associated with absence seizures, also known as petit-mal or spike-wave seizures. The protein encoded by this gene is structurally similar to the mouse stargazin protein and is a member of the neuronal calcium channel gamma subunit protein family. However, it appears unlikely that the encoded protein is part of a functional calcium channel. Rather, it appears to inhibit the expression of a specific calcium channel subunit. [provided by RefSeq]
Other Designations	OTTHUMP00000067298 neuronal voltage-gated calcium channel gamma-7 subunit voltage-dependent calcium channel gamma-7 subunit

Pathway

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

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