

Recombinant Human CACNG7 cell lysate

Cat. No. CACNG7-271HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	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.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	CACNG7 calcium channel, voltage-dependent, gamma subunit 7 [Homo sapiens]
------------------	---

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Official Symbol	CACNG7
Synonyms	CACNG7; calcium channel, voltage-dependent, gamma subunit 7; voltage-dependent calcium channel gamma-7 subunit; TARP gamma-7; transmembrane AMPAR regulatory protein gamma-7; neuronal voltage-gated calcium channel gamma-7 subunit;
Gene ID	59284
mRNA Refseq	NM_031896
Protein Refseq	NP_114102
MIM	606899
UniProt ID	P62955
Chromosome Location	19q13.4
Pathway	Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Cardiac muscle contraction, organism-specific biosystem; Cardiac muscle contraction, conserved biosystem; Dilated cardiomyopathy, organism-specific biosystem; Dilated cardiomyopathy, conserved biosystem; Hypertrophic cardiomyopathy (HCM), organism-specific biosystem;
Function	voltage-gated calcium channel activity; voltage-gated ion channel activity;