Recombinant Human CACNG3 cell lysate

Cat. No. CACNG3-270HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Description	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. This gene is a candidate gene for a familial infantile convulsive disorder with paroxysomal choreoathetosis.
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	CACNG3 calcium channel, voltage-dependent, gamma subunit 3 [Homo sapiens]
Official Symbol	CACNG3

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

Synonyms	CACNG3; calcium channel, voltage-dependent, gamma subunit 3; voltage-dependent calcium channel gamma-3 subunit; TARP gamma-3; voltage-gated calcium channel gamma subunit; transmembrane AMPAR regulatory protein gamma-3; neuronal voltage-gated calcium channel gamma-3 subunit;
Gene ID	10368
mRNA Refseq	NM_006539
Protein Refseq	NP_006530
MIM	606403
UniProt ID	O60359
Chromosome Location	16p12.1
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; Glutamate Binding, Activation of AMPA Receptors and Synaptic Plasticity, organism-specific biosystem;
Function	voltage-gated calcium channel activity; voltage-gated ion channel activity;

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