

Recombinant Human CACNG1 cell lysate

Cat. No. CACNG1-269HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

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. This particular gamma subunit is part of skeletal muscle 1,4-dihydropyridine-sensitive calcium channels and is an integral membrane protein that plays a role in excitation-contraction coupling. This gene is a member of the neuronal calcium channel gamma subunit gene subfamily of the PMP-22/EMP/MP20 family and is located in a cluster with two similar gamma subunit-encoding genes.
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	CACNG1 calcium channel, voltage-dependent, gamma subunit 1 [Homo sapiens]
Official Symbol	CACNG1
Synonyms	CACNG1; calcium channel, voltage-dependent, gamma subunit 1; CACNLG; voltage-

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	dependent calcium channel gamma-1 subunit; L-type calcium channel gamma polypeptide; neuronal dihydropyridine-sensitive calcium channel gamma subunit; dihydropyridine-sensitive L-type, skeletal muscle calcium channel subunit gamma;
Gene ID	786
mRNA Refseq	NM_000727
Protein Refseq	NP_000718
MIM	114209
UniProt ID	Q06432
Chromosome Location	17q24
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;