Recombinant Human CACNG4, GST-tagged

Cat. No. CACNG4-10644H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CACNG4 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	200-327a.a.
Description	The protein encoded by this gene is a type I transmembrane AMPA receptor regulatory protein (TARP). TARPs regulate both trafficking and channel gating of the AMPA receptors. This gene is part of a functionally diverse eight-member protein subfamily of the PMP-22/EMP/MP20 family and is located in a cluster with two family members, a type II TARP and a calcium channel gamma subunit.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

Gene Name	CACNG4 calcium channel, voltage-dependent, gamma subunit 4 [Homo sapiens]

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Official Symbol	CACNG4
Synonyms	CACNG4; calcium channel, voltage-dependent, gamma subunit 4; voltage-dependent calcium channel gamma-4 subunit; MGC11138; MGC24983; TARP gamma-4; transmembrane AMPAR regulatory protein gamma-4; neuronal voltage-gated calcium channel gamma-4 subunit;
Gene ID	27092
mRNA Refseq	NM_014405
Protein Refseq	NP_055220
MIM	606404
UniProt ID	Q9UBN1
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; Depolarization of the Presynaptic Terminal Triggers the Opening of Calcium Channels, organism-specific biosystem; Dilated cardiomyopathy, organism-specific biosystem; Dilated cardiomyopathy, conserved biosystem;
Function	voltage-gated calcium channel activity; voltage-gated ion channel activity;

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