

Recombinant Human CACNG7, GST-tagged

Cat. No. CACNG7-10647H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CACNG7 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	154-275a.a.
Description	The protein encoded by this gene is a type II 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 I TARP and a calcium channel gamma subunit.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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