

Recombinant Full Length Human CACNG6 Protein, GST-tagged

Cat. No. CACNG6-3025HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CACNG6 full-length ORF (NP_665813.1, 1 a.a. - 260 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	260 amino acids
Description	Voltage-dependent calcium channels are composed of five subunits. The protein encoded by this gene represents one of these subunits, gamma, and is one of two known gamma subunit proteins. This particular gamma subunit is an integral membrane protein that is thought to stabilize the calcium channel in an inactive (closed) state. 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 that function as transmembrane AMPA receptor regulatory proteins (TARPs). Alternative splicing results in multiple transcript variants. Variants in this gene have been associated with aspirin-intolerant asthma. [provided by RefSeq, Dec 2010]
Molecular Mass	54.5 kDa
AA Sequence	MMWSNFFLQEENRRRGAAGRRAHGQGRSGLTPEREGKVKLALLLAAVGATLAVL SVGTEFWVELNTYKANGSAVCEAAHLGLWKACTKRLWQADVPVDRDTCGPAELPG

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EANCTYFKFFTTGENARIFQRTTKKEVNLAAAVIAVLGLAVMALGCLCIIMVLSKGAEF
 LLRVGAVCFGLSGLLLLVSLEVFRHSVRALLQRVSPEPPPAPRLTYEYSWSLGCVG
 AGLILLGAGCFLLLTLPSWPWGSLCPKRGHRAT

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CACNG6 calcium channel, voltage-dependent, gamma subunit 6 [Homo sapiens]
Official Symbol	CACNG6
Synonyms	CACNG6; calcium channel, voltage-dependent, gamma subunit 6; Calcium Voltage-Gated Channel Auxiliary Subunit Gamma 6; Neuronal Voltage-Gated Calcium Channel Gamma-6 Subunit; Calcium Channel, Voltage-Dependent, Gamma Subunit 6
Gene ID	59285
mRNA Refseq	NM_145815
Protein Refseq	NP_665814

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MIM	606898
UniProt ID	Q9BXT2

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