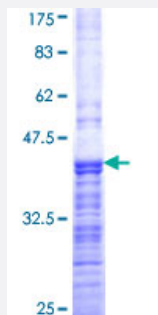


CACNG3 (Human) Recombinant Protein (Q01)

Catalog # H00010368-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CACNG3 partial ORF (NP_006530, 199 a.a. - 297 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MEKHQQLRAKSHSEFLKKSTFARLPPYRYRFRRSSSRSTEPRSRDLSPISKGFHTIPSTDISMFTLSRDPSKITMGTLNLSDRDHAFLQFHNSTPK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CACNG3

Entrez GeneID [10368](#)

GeneBank Accession# [NM_006539](#)

Protein Accession# [NP_006530](#)

Gene Name CACNG3

Gene Alias Cacng2

Gene Description calcium channel, voltage-dependent, gamma subunit 3

Omim ID [606403](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 paroxysmal choreoathetosis. [provided by RefSeq]

Other Designations neuronal voltage-gated calcium channel gamma-3 subunit|voltage-dependent calcium channel gamma-3 subunit|voltage-gated calcium channel gamma subunit

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Cardiac muscle contraction](#)

- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [MAPK signaling pathway](#)

Disease

- [Epilepsy](#)
- [Genetic Predisposition to Disease](#)
- [Seizures](#)