

# Human Voltage-dependent calcium channel gamma-6 subunit (CACNG6) ELISA Kit



Catalog No: #EK11664

Orders: order@signalwayantibody.com

Package Size: #EK11664-1 48T #EK11664-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Human Voltage-dependent calcium channel gamma-6 subunit (CACNG6) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	Neuronal voltage-gated calcium channel gamma-6 subunit voltage-dependent calcium channel gamma-6 subunit
Accession No.	Q9BXT2
Uniprot	Q9BXT2
GeneID	59285;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.  The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

## Application Details

Detect Range:0.312-20 ng/mL

Sensitivity:0.113 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**Sandwich Test principle:This assay employs a two-site sandwich ELISA to quantitate CACNG6 in samples. An antibody specific for CACNG6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyCACNG6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CACNG6 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CACNG6 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**CACNG6?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 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.The deduced 260-amino acid CACNG6 protein contains 4 transmembrane segments and a highly conserved N-glycosylation site in the first extracellular loop. It has a relatively long N terminus compared with the other CACNG proteins. RT-PCR analysis of 24 adult and fetal tissues detected expression of CACNG6 in all tissues tested except heart, placenta, and colon.

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Note: This product is for in vitro research use only