

Recombinant Human CAMK1G, GST-tagged, Active

Cat. No. CAMK1G-261H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human CAMK1gamma (1-330) was expressed by baculovirus in <i>Sf9</i> insect cells using a N-terminal GST tag. MW = 69 kDa.
Species	Human
Source	Sf9 Cells
Protein Length	1-330 a.a.
Description	CAMK1γ (CLICK-III), a member of CAMK family, is a novel membrane-anchored neuronal Ca ²⁺ /calmodulin-dependent protein kinase. Full activation of CaMK1γ requires both Ca(2+)/CaM and phosphorylation by CAMKK. CAMK1γ transcripts is most abundant in neurons, with the highest levels in limited nuclei such as the central nucleus of the amygdala (CeA) and the ventromedial hypothalamus.
Sequence	1-330.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

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Gene Name	CAMK1G calcium/calmodulin-dependent protein kinase IG [Homo sapiens]
Synonyms	CAMK1G; calcium/calmodulin-dependent protein kinase IG; VWS1; CLICKIII; dJ272L16.1; OTTHUMP00000034556; EC 2.7.11.17; Calcium/calmodulin-dependent protein kinase type 1G; CaM kinase I gamma; CaM kinase IG; CaM-KI gamma; CaMKI gamma; CaMKI-gamma; CaMK-like CREB kinase III
Gene ID	57172
mRNA Refseq	NM_020439
Protein Refseq	NP_065172
UniProt ID	Q96NX5
Chromosome Location	1q32-q41
Function	ATP binding; calmodulin binding; calmodulin-dependent protein kinase activity; nucleotide binding; transferase activity

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