

Datasheet for ABIN7317394

## CAMKV Protein (GST tag,His tag)



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### Overview

Quantity:	50 µg
Target:	CAMKV
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CAMKV protein is labelled with GST tag,His tag.

### Product Details

Purpose:	Recombinant Human CAMKV Protein (His & GST Tag)
Sequence:	Met 1-Ser 501
Characteristics:	A DNA sequence encoding the human CAMKV (NP_076951.2) (Met 1-Ser 501) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Purity:	> 80 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	CAMKV
Alternative Name:	CAMKV ( <a href="#">CAMKV Products</a> )
Background:	Background: CaM kinase-like vesicle-associated protein, also known as CAMKV, is a peripheral membrane protein and Cytoplasmic vesicle membrane protein which belongs to the protein kinase superfamily and CAMK Ser/Thr protein kinase family. CAMKV contains one protein

## Target Details

kinase domain. It is predominantly observed in association with the plasma membrane of soma and in neurites, both axons and dendrites. CAMKV may be associated with vesicular structures. It does not appear to have detectable kinase activity. Protein kinases are a group of enzymes that move a phosphate group onto proteins, in a process called phosphorylation. Protein kinases function as an on/off switch for many cellular processes, including metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. They also function in embryonic development, physiological responses, and in the nervous and immune system. Abnormal phosphorylation causes many human diseases, including cancer, and drugs that affect phosphorylation can treat those diseases. The protein kinase domain is a structurally conserved protein domain containing the catalytic function of protein kinases. Protein kinases play a role in a multitude of cellular processes, including division, proliferation, apoptosis, and differentiation. Phosphorylation usually results in a functional change of the target protein by changing enzyme activity, cellular location, or association with other proteins.

Synonym: 1G5;VACAMKL

Molecular Weight: 82.2 kDa

NCBI Accession: [NP\\_076951](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 7.4, 10 % glycerol

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.