

Datasheet for ABIN7320129

**CAMK4 Protein (GST tag,His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	50 µg
Target:	CAMK4
Origin:	Mouse
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CAMK4 protein is labelled with GST tag,His tag.

## Product Details

Purpose:	Recombinant Mouse CAMK4/CaMKIV Protein (His & GST Tag)
Sequence:	Met1-Tyr469
Characteristics:	A DNA sequence encoding the mouse CAMK4 (P08414) (Met1-Tyr469) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Purity:	> 94 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

## Target Details

Target:	CAMK4
Alternative Name:	CAMK4/CaMKIV ( <a href="#">CAMK4 Products</a> )
Background:	Background: Ca <sup>2+</sup> /calmodulin-dependent protein kinase 4 (CAMKIV) belongs to the serine/threonine protein kinase family, and to the Ca <sup>2+</sup> /calmodulin-dependent protein kinase subfamily which is widely recognized as an essential enzyme implicated in the phosphoinositide

## Target Details

amplification cascade. Ca<sup>2+</sup>/calmodulin dependent protein kinase (CAMK) can be activated by the intracellular increased Ca<sup>2+</sup> and then apt to combine with the target protein. Ca<sup>2+</sup>/calmodulin-dependent protein kinase 4 (CAMKIV) is a multifunctional CaM-dependent kinase protein with limited tissue distribution, that has been implicated in transcriptional regulation in lymphocytes, neurons and male germ cells. All of the isoforms of this family, including myosin light chain kinase, phosphorylase kinase, CaMK1, CaMKII and CaMKIV have EF-hand structure. Synonym: A430110E23Rik, A1666733, CaMKIV, CaMKIV/Gr, D18Bwg0362e

Molecular Weight: 80.4 kDa

UniProt: [P08414](#)

Pathways: [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Production of Molecular Mediator of Immune Response](#), [G-protein mediated Events](#), [Interaction of EGFR with phospholipase C-gamma](#)

## Application Details

Restrictions: For Research Use only

## Handling

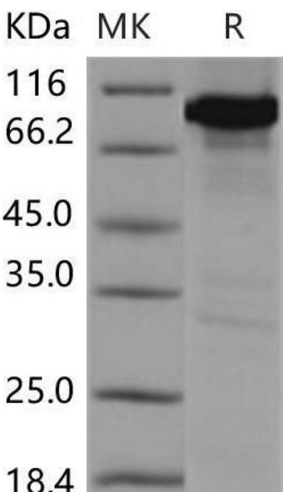
Format: Lyophilized

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.



Western Blotting

Image 1.