Datasheet for ABIN7320128

CAMK4 Protein

1 Image

Go to Product page

Overview

Quantity:	50 µg
Target:	CAMK4
Origin:	Mouse
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Mouse CAMK4/CaMKIV Protein (Active)
Sequence:	Met1-Tyr469
Characteristics:	A DNA sequence encoding the mouse CAMK4(P08414) (Met1-Tyr469) was expressed and purified with two additional amino acids (Gly & Pro) at the N-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Kinase activity untested

Target Details

Target:	CAMK4
Alternative Name:	CAMK4/CaMKIV (CAMK4 Products)
Background:	Background: Ca2+/ calmodulin-dependent protein kinase 4 (CAMKIV) belongs to the serine/threonine protein kinase family, and to the Ca2+/calmodulin-dependent protein kinase subfamily which is widely recognized as an essential enzyme implicated in the phophoinositide

Target Details

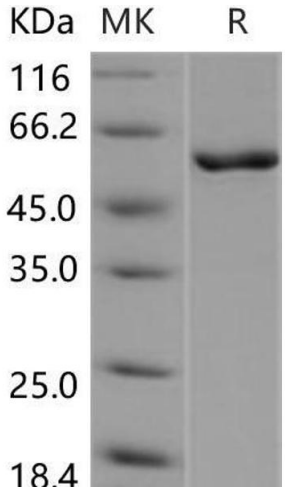
	amplification cascade. Ca2+/calmodulin dependent protein kinase (CAMK) can be activated by the introcellular increased Ca2+ and then apt to combine with the target protein. Ca2+/ calmodulin-dependent protein kinase 4 (CAMKIV) is a multifunctional CaM-dependent kinase protein with limited tissue distribution, that has been implicated in transcriptional regulation in lymphocytes, neurons and male germ cells. All of the isforms of this family, including myosin light chain kinase, phosphorylase kinase, CaMK1, CaMKIII and CaMKIV have EF-hand structure. Synonym: A430110E23Rik,AI666733,CaMKIV,CaMKIV/Gr,D18Bwg0362e
Molecular Weight:	52.7 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, 10 % glycerol, pH 7.4
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.