

CAMK2 delta Recombinant Protein | CAMK2delta recombinant protein

CAMK2 delta, Active

CATALOG # AAA73310	HOST Sf9 insect cells	APPLICATIONS Western Blot
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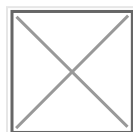
PRODUCT SYNONYMS

CAMK2 delta; Active; CAMKD; MGC44911; CAMK2delta recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for CAMK2delta recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for CAMK2delta recombinant protein	Full-length recombinant human CAMK2delta was expressed by baculovirus in Sf9 cells using an N-terminal GST tag. The gene accession number is NM_172115. CAMK2D is a serine/threonine protein kinase that is a member of the type II multifunctional Ca²⁺/calmodulin-dependent protein kinase family. CAMK2D is abundantly present in human cardiac and skeletal muscle and its levels are increased in the heart of patients suffering from cardiomyopathy (1). In cardiomyocytes, stimulation of beta-1-adrenergic receptor leads to induction of apoptosis, an effect that is mediated by activation of CAMK2D in a PKA-independent manner. In addition, expression studies have revealed the downregulation of CAMK2D in human tumor cells.
Product Categories/Family for CAMK2delta recombinant protein	Protein Kinases ; Cardiovascular Disease ; ERK/MAPK Pathway ; Neurobiology ; PKA/PKC Pathway ; Ser/Thr Kinases
References	- Hoch, B. Et al: Identification and expression of delta-isoforms of the multifunctional Ca(2+)/calmodulin-dependent protein kinase in failing and nonfailing human myocardium. Circ. Res. 84: 713-721, 1999. - Zhu, W.-Z. Et al: Linkage of beta-1-adrenergic stimulation to apoptotic heart cell death through protein kinase A-independent activation of Ca(2+)/calmodulin kinase II. J. Clin. Invest. 111: 617-625, 2003.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_172115
Molecular Weight	~77kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/camk2-delta-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73310>