

Recombinant Human CAMK2 delta (N-GST tag)

Cat No:HR2R1218

For research use only

Overview

Quantity	10 ?g
Gene Symbol	CAMK2d
Gene ID	N/A
Accession	NM_172115
Alternative Name	CAMKD, MGC44911
Species	Human
Source	Insect cells
Description	CAMK2D is a serine/threonine protein kinase that is a member of the type II multifunctional Ca ²⁺ /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 . 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.
Functions	The specific activity of CAMK2? was determined to be 5,860 nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	77
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	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.