

Recombinant Human CAMK2beta (N-GST tag)

Cat No:HR2R1220

For research use only

Overview

Quantity	10 ?g
Gene Symbol	CAMK2beta
Gene ID	N/A
Accession	NM_172081
Alternative Name	CAMKB, CAM2, CAMK2, MGC29528
Species	Human
Source	Insect cells
Description	CAMK2beta belongs to the serine/threonine protein kinase family and to the type II multifunctional Ca(2+)/calmodulin-dependent protein kinase subfamily. CAMK2beta showed wide tissue and cell distribution, and one of CAMK2beta variant predominated in adult brain . The ratio of CAMK2alpha and CAMK2beta protein levels were inversely related during activity in hippocampal neurons . CAMK2beta is a prominent kinase in the central nervous system and may function in long-term potentiation and neurotransmitter release.
Functions	The specific activity of CAMK2? was determined to be 1,700 nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	81
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.