

Recombinant Human CAMK2gamma (N-GST tag)

Cat No:HR2R1221

For research use only

Overview

Quantity	10 ?g
Gene Symbol	CAMK2gamma
Gene ID	N/A
Accession	NM_172169
Alternative Name	CAMKG, CAMK, CAMK-II, MGC26678
Species	Human
Source	Insect cells
Description	CAMK2gamma is a member of the CAMKII family which are ubiquitous serine/threonine protein kinases that have been implicated in diverse effects of hormones and neurotransmitters. CAMK2gamma has six alternatively spliced variants that encode six different isoforms. Some of these variants have been identified in human tumors . Transgenic mice expressing a partially calcium-independent mutant form of CAMK2gamma showed 1.5- to 2-fold increase in the thymus of these mice, at least in part due to an increase in the life span of double-positive thymocytes . There was an increase in the number of T cells in the secondary lymphoid organs that had acquired an antigen-dependent memory phenotype.
Functions	The specific activity of CAMK2? was determined to be 260 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	86
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.