# Recombinant Human CAMK2 gamma (N-GST tag)

**Cat No:HR2R1219**

For research use only

## Overview

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|---|---|
| Quantity | 10 ?g |
| Gene Symbol | CAMK2? |
| Gene ID | N/A |
| Accession | NM_172169 |
| Alternative Name | CAMKG, CAMK, CAMK-II, MGC26678 |
| Species | Human |
| Source | Insect cells |
| Description | CAMK2? 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. CAMK2? 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 CAMKG 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 248 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 | 60 |
| 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. |