

Recombinant Human CAMKK2 (N-GST tag)

Cat No:HR2R1224

For research use only

Overview

Quantity	10 ?g
Gene Symbol	CAMKK2
Gene ID	N/A
Accession	NM_172226
Alternative Name	CAMKK; CAMKKB; KIAA0787; MGC15254
Species	Human
Source	Insect cells
Description	CAMKK2 (CAMKK?) is a member of the CAMKK family. It is broadly distributed in tissues with highest levels in brain, thymus, spleen, and testis . CaMKK2 undergoes intramolecular autophosphorylation, is regulated by Ca ²⁺ /calmodulin and phosphorylates CaMKI and CaMKIV on Thr177 and Thr200, respectively. CaMKK2 activates both CaMKI and CaMKIV when coexpressed in Jurkat T cells. CaMKK2 also phosphorylates and regulates the activity of AMPK, which is an important regulator of cellular metabolism in response to metabolic stress .
Functions	The specific activity of CAMKK2 was determined to be 11 nmol /min/mgas 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	88
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.