

# Recombinant Human CAMKK1

**Cat. No.** CAMKK1-26209TH    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant full length (human) protein with an N terminal enzyme tag. Expressed by baculovirus in Sf9 insect cells.
<b>Species</b>	Human
<b>Description</b>	The product of this gene belongs to the Serine/Threonine protein kinase family, and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. This protein plays a role in the calcium/calmodulin-dependent (CaM) kinase cascade. Three transcript variants encoding two distinct isoforms have been identified for this gene.
<b>Biological activity</b>	Specific Activity: 10 nmol/min/mg
<b>Form</b>	Liquid
<b>Storage buffer</b>	Preservative: None Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, pH 7.5
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequence Similarities</b>	Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. Contains 1 protein kinase domain.
<b>Full Length</b>	Full L.

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## GENE INFORMATION

<b>Gene Name</b>	CAMKK1 calcium/calmodulin-dependent protein kinase kinase 1, alpha [ Homo sapiens ]
<b>Official Symbol</b>	CAMKK1
<b>Synonyms</b>	CAMKK1; calcium/calmodulin-dependent protein kinase kinase 1, alpha; calcium/calmodulin-dependent protein kinase kinase 1; CAMKKA; DKFZp761M0423; MGC34095;
<b>Gene ID</b>	84254
<b>mRNA Refseq</b>	NM_032294
<b>Protein Refseq</b>	NP_115670
<b>MIM</b>	611411
<b>Uniprot ID</b>	Q8N5S9
<b>Chromosome Location</b>	17p13.3
<b>Pathway</b>	Activation of NMDA receptor upon glutamate binding and postsynaptic events, organism-specific biosystem; Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; CREB phosphorylation through the activation of CaMKK, organism-specific biosystem; Neuronal System, organism-specific biosystem;
<b>Function</b>	ATP binding; calmodulin binding; calmodulin-dependent protein kinase activity;

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nucleotide binding;

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