Recombinant Human CAMKK2 cell lysate

Cat. No. CAMKK2-275HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Description	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 by phosphorylating the downstream kinases CaMK1 and CaMK4. Seven transcript variants encoding six distinct isoforms have been identified for this gene. Additional splice variants have been described but their full-length nature has not been determined. The identified isoforms exhibit a distinct ability to undergo autophosphorylation and to phosphorylate the downstream kinases.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	CAMKK2 calcium/calmodulin-dependent protein kinase kinase 2, beta [Homo sapiens]

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Official Symbol	CAMKK2
Synonyms	CAMKK2; calcium/calmodulin-dependent protein kinase kinase 2, beta; calcium/calmodulin-dependent protein kinase kinase 2; CAMKK; CAMKKB; KIAA0787; MGC15254; caM-KK 2; caM-KK beta; CAMKK beta protein; caM-kinase kinase 2; caM-kinase kinase beta; calcium/calmodulin-dependent protein kinase beta;
Gene ID	10645
mRNA Refseq	NM_006549
Protein Refseq	NP_006540
UniProt ID	Q96RR4
Chromosome Location	12q24.2
Pathway	Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem;
Function	ATP binding; calcium ion binding; calmodulin binding; calmodulin-dependent protein kinase activity; nucleotide binding; protein tyrosine kinase activity;

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