Recombinant Human CAMKK1 293 Cell Lysate

Cat. No. CAMKK1-7873HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for calcium/calmodulin-dependent protein kinase kinase 1, alpha (CAMKK1), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	CAMKK1 calcium/calmodulin-dependent protein kinase kinase 1, alpha [Homo sapiens]
Official Symbol	CAMKK1
Synonyms	CAMKK1; calcium/calmodulin-dependent protein kinase kinase 1, alpha; calcium/calmodulin-dependent protein kinase kinase 1; CAMKKA; DKFZp761M0423; MGC34095; caMKK 1; caM-KK 1; caM-KK alpha; CAMKK alpha protein; caM-kinase kinase 1; caM-kinase IV kinase; caM-kinase kinase alpha; calcium/calmodulin-dependent protein kinase kinase alpha;
Gene ID	84254
mRNA Refseq	NM_032294
Protein Refseq	NP_115670
MIM	611411
UniProt ID	Q8N5S9
Chromosome Location	17p13.3
Pathway	Activation of NMDA receptor upon glutamate binding and postsynaptic events,

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	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; Neurotransmitter Receptor Binding And Downstream Transmission In ThePostsynaptic Cell, organism-specific biosystem; Post NMDA receptor activation events, organism-specific biosystem;
Function	ATP binding; calmodulin binding; calmodulin-dependent protein kinase activity; nucleotide binding;

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