

# Recombinant Human CAMKK1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** CAMKK1-1390H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	CAMKK1 MS Standard C13 and N15-labeled recombinant protein (NP_757344) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<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>Molecular Mass</b>	57.5 kDa
<b>AA Sequence</b>	MEGGPAVCCQDPRAELVERVA AIDVTHLEEADGGPEPTRNGVDPPPRARAASVIPG STSRLLPARPSLSARKLSLQERPAGSYLEAQAGPYATGPASHISPRAWRRPTIESHH VAISDAEDCVQLNQYKQLQSEIGKGAYGVVRLAYNESEDRHYAMKVLKSKKLLKQYG FPRRPPPRGSQAAQGGPAKQLLPLERVYQEIAILKLDHVN VVKLIEVLDDPAEDNLY LALQNQAQNIQLDSTNIAKPHSLLPSEQQDSGSTWAARSVFDLLRKGPMVEVPCDK PFSEEQARLYLRDVILGLEYLHCQKIVHRDIKPSNLLLGGDGHVKIADFGVSNQFEGN DAQLSSTAGTPAFMAPEAISDSGQSFSFGKALDVWATGVTLYCFVYGKCPFIDDFILA LHRKIKNEPVVFPPEGPEISEELKDLILKMLDKNPETRIGVPDIKLPWVTKNGEEPLPS EEEHCSVVEVTEEEVKNSVRLIPSWTTVILVKSMLRKRSFGNPFEPQARREERSMSA

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PGNLLVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** [CAMKK1 calcium/calmodulin dependent protein kinase kinase 1 \[ Homo sapiens \(human\) \]](#)

**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\\_172207](#)

**Protein Refseq** [NP\\_757344](#)

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<b>MIM</b>	611411
<b>UniProt ID</b>	Q8N5S9

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