

Recombinant Human CAMK1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CAMK1-1850H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CAMK1 MS Standard C13 and N15-labeled recombinant protein (NP_003647) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Calcium/calmodulin-dependent protein kinase I is expressed in many tissues and is a component of a calmodulin-dependent protein kinase cascade. Calcium/calmodulin directly activates calcium/calmodulin-dependent protein kinase I by binding to the enzyme and indirectly promotes the phosphorylation and synergistic activation of the enzyme by calcium/calmodulin-dependent protein kinase I kinase.
Molecular Mass	41.2 kDa
AA Sequence	MLGAVEGPRWKQAEDIRDIYDFRDVLGTGAFSEVILAEDKRTQKLVAIKCIAKEALEG KEGSMENEIAVLHKIKHPNIVALDDIYESGGHLYLIMQLVSGGELFDRIVEKGFYTERD ASRLIFQVLDAVKYLHDLGIVHRDLKPENLLYYSLDEDSKIMISDFGLSKMEDPGSVLS TACGTPGYVAPEVLAQKPYSKAVDCWSIGVIAYILLCGYPPFYDENDAKLFEQILKAE YEFDSPYWDDISDSAKDFIRHLMEKDPEKRFTCEQALQHPWIAGDTALDKNIHQSVS EQIKKNFAKSKWKQAFNATAVVRHMRKLQLGTSQEGQGQTASHGELLTPVAGGPA AGCCCRDCCVEPGTELSPTLPHQLTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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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	CAMK1 calcium/calmodulin-dependent protein kinase I [Homo sapiens (human)]
Official Symbol	CAMK1
Synonyms	CAMK1; calcium/calmodulin-dependent protein kinase I; calcium/calmodulin-dependent protein kinase type 1; CaMKI; caM-KI; caMKI-alpha; caM kinase I alpha; CAMKI; MGC120317; MGC120318;
Gene ID	8536
mRNA Refseq	NM_003656
Protein Refseq	NP_003647
MIM	604998
UniProt ID	Q14012

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SDS-PAGE

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