

Recombinant Full Length Human CAMK1 Protein, GST-tagged

Cat. No. CAMK1-3085HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CAMK1 full-length ORF (NP_003647.1, 1 a.a. - 370 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	370 amino acids
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. [provided by RefSeq, Jul 2008]
Molecular Mass	66.33 kDa
AA Sequence	MLGAVEGPRWKQAEDIRDIYDFRDVLGTGAFSEVILAEDKRTQKLVAIKCIAKEALEG KEGSMENEIAVLHKIKHPNIVALDDIYESGGHLYLIMQLVSGGELFDRIVEKGFYTERD ASRLIFQVLDAVKYLHDLGIVHRDLKPENLLYSLDEDSKIMISDFGLSKMEDPGSVLS TACGTPGYVAPEVLAQKPYSKAVDCWSIGVIAYILLCGYPPFYDENDAKLFEQILKAE YEFDSPYWDDISDSAKDFIRHLMEKDPEKRFTCEQALQHPWIAGDTALDKNIHQSVS EQIKKNFAKSKWKQAFNATAVVRHMRKLQLGTSQEGQGQTASHGELLTPVAGGPA AGCCCRDCCVEPGTELSPTLPHQL

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CAMK1 calcium/calmodulin-dependent protein kinase I [Homo sapiens]
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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