

# Recombinant Full Length Human CAMK1 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human CAMK1 full-length ORF (NP_003647.1, 1 a.a. - 370 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>Protein Length</b>	370 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	66.33 kDa
<b>AA Sequence</b>	MLGAVEGPRWKQAEDIRDIYDFRDVLGTGAFSEVILAEDKRTQKLVAIKCIAKEALEG KEGSMENEIAVLHKIKHPNIVALDDIYESGGHLYLIMQLVSGGELFDRIVEKGFYTERD ASRLIFQVLDAVKYLHDLGIVHRDLKPENLLYSLDEDSKIMISDFGLSKMEDPGSVLS TACGTPGYVAPEVLAQKPYSKAVDCWSIGVIAIYILLCGYPPFYDENDAKLFEQILKAE YEFDSPYWDDISDSAKDFIRHLMKEDPEKRFTCEQALQHPWIAGDTALDKNIHQSVS EQIKKNFAKSKWKQAFNATAVVRHMRKLQLGTSQEGQGQTASHGELLTPVAGGPA AGCCCRDCCVEPGTELSPTLPHQL

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

## GENE INFORMATION

<b>Gene Name</b>	CAMK1 calcium/calmodulin-dependent protein kinase I [ Homo sapiens ]
<b>Official Symbol</b>	CAMK1
<b>Synonyms</b>	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;
<b>Gene ID</b>	8536
<b>mRNA Refseq</b>	NM_003656
<b>Protein Refseq</b>	NP_003647
<b>MIM</b>	604998
<b>UniProt ID</b>	Q14012

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