

Recombinant Full Length Human CAMK1 Protein, C-Flag-tagged

Cat. No. CAMK1-1541HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CAMK1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	41.2 kDa
AA Sequence	MLGAVEGPRWKQAEDIRDIYDFRDVLGTGAFSEVILAEDKRTQKLVAIKCIAKEALEG KEGSMENEIAVL HKIKHPNIVALDDIYESGGHLYLIMQLVSGGELFDRIVEKGFYTER DASRLIFQVLDAVKYLHDLGIVHR DLKPENLLYYSLDEDSKIMISDFGLSKMEDPGSV LSTACGTPGYVAPEVLAQKPYSKAVDCWSIGVIAIYI LLCGYPPFYDENDAKLFEQILK AEYEFDSPYWDDISDSAKDFIRHLMKEDPEKRFTCEQALQHPWIAGDT ALDKNIHQ SVSEQIKKNFAKSKWKQAFNATAVVRHMRKLQLGTSQEGQGQTASHGELLTPVAG GPAAGCC

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

CRDCCVEPGTELSPTLPHQLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protein Kinase
Full Length	Full L.

GENE INFORMATION

Gene Name	CAMK1 calcium/calmodulin dependent protein kinase I [Homo sapiens (human)]
Official Symbol	CAMK1
Synonyms	CAMKI
Gene ID	8536
mRNA Refseq	NM_003656.5
Protein Refseq	NP_003647.1

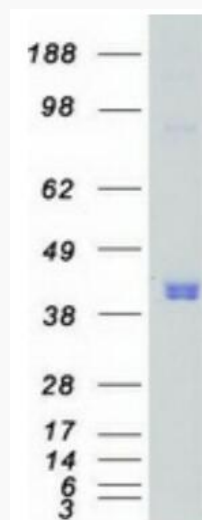
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MIM 604998

UniProt ID Q14012



Coomassie blue staining of purified CAMK1 protein.

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