

## Product datasheet for PH318464

### CaMKI (CAMK1) (NM\_003656) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	CAMK1 MS Standard C13 and N15-labeled recombinant protein (NP_003647)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218464
Predicted MW:	41.2 kDa
Protein Sequence:	>RC218464 representing NM_003656 Red=Cloning site Green=Tags(s)
	MLGAVEGPRWKQAEDIRDIYDFRDVLGTGAFSEVILAEDKRTQKLVAIKCIAKEALEGKEGSMENEIAVL HKIKHPNIVALDDIYESGGHLYLIMQLVSGGELFDRIVEKGFYTERDASRLIFQVLDAVKYLHDLGIVHR DLKPENLLYSLDEDSKIMISDFGLSKMEDPGSVLSTACGTPGYVAPEVLAQKPYSKAVDCWSIGVIAI LLCGYPPFYDENDAKLFEQILKAEYEFDSPYWDDISDSAKDFIRHLMKDPKRFRTCEQALQHPWIAGDT ALDKNIHQSVSEQIKKNFAKSKWKQAFNATAVVRHMRKLQLGTSQEQGQQTASHGELLTPVAGGPAAGCC CRDCCVEPGTELSPTLPHQL
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_003647</a></u>
RefSeq Size:	1501
RefSeq ORF:	1110
Synonyms:	CAMKI
Locus ID:	8536



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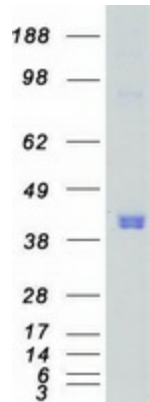
UniProt ID: [Q14012](#), [BOYIY3](#)

Cytogenetics: 3p25.3

Summary: 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]

Protein Families: Druggable Genome, Protein Kinase

### Product images:



Coomassie blue staining of purified CAMK1 protein (Cat# [TP318464]). The protein was produced from HEK293T cells transfected with CAMK1 cDNA clone (Cat# [RC218464]) using MegaTran 2.0 (Cat# [TT210002]).