

Product datasheet for PH306813

CAMKIV (CAMK4) (NM_001744) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CAMK4 MS Standard C13 and N15-labeled recombinant protein (NP_001735)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206813
Predicted MW:	51.9 kDa
Protein Sequence:	>RC206813 protein sequence Red=Cloning site Green=Tags(s)

MLKVTVPSCSASSCSSVTASAAPGTASLVPDYWIDGNSNRDALSDFFEVESELGRGATSIVYRCKQKGTQK
PYALKVLKKTVDKIVRTEIGVLLRLSHPNIIKLKEIFETPTEISLVLELVTGGELFDRIVEKGGYYSERD
AADAVKQILEAVAYLHENGIVHRDLKPENLLYATPAPDAPLKIADFGLSKIVEHQVLMKTVCGTPGYCAP
EILRGCAYGPEVDMWSVGIITYILLCGFEPFYDERGDQFMFRILNCEYYFISPWWEVSLNAKDLVRKL
IVLDPKKRLTTFQALQHPWVTGKAANFVHMDTAQKKLQEFNARRKLA AVKAVVASSRSLGSASSSHGSIQ
ESHKASRDPSPIQDGNEDMKAIPEGEKIQGDGAQAAVKGQAELMKVQALEKVKGADINAEAPKMVPKA
VEDGIKVADLELEEGLAEKLTVEEAAAPREGQGSSAVGFVPPQDDVILPEY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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>NP_001735</u>
RefSeq Size:	2272
RefSeq ORF:	1419
Synonyms:	caMK; CaMK-GR; CaMK IV; CaMKIV



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Locus ID: 814

UniProt ID: [Q16566](#)

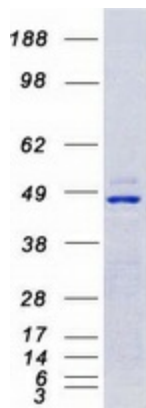
Cytogenetics: 5q22.1

Summary: The product of this gene belongs to the serine/threonine protein kinase family, and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. This enzyme is a multifunctional serine/threonine protein kinase with limited tissue distribution, that has been implicated in transcriptional regulation in lymphocytes, neurons and male germ cells. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Calcium signaling pathway, Long-term potentiation, Neurotrophin signaling pathway

Product images:



Coomassie blue staining of purified CAMK4 protein (Cat# [TP306813]). The protein was produced from HEK293T cells transfected with CAMK4 cDNA clone (Cat# [RC206813]) using MegaTran 2.0 (Cat# [TT210002]).