

Product datasheet for **TP306813M**

CAMKIV (CAMK4) (NM_001744) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human calcium/calmodulin-dependent protein kinase IV (CAMK4), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206813 protein sequence Red =Cloning site Green =Tags(s)

MLKVTVPSCSASSCSSVTASAAPGTASLVPDYWIDGNSNRDALSDFFEVESELGRGATSIVYRCKQKGTQK
PYALKVLKKTVDKIVRTEIGVLLRLSHPNIIKLKEIFETPTEISLVLELVGTGELFDRIVEKGYYSERD
AADAVKQILEAVAYLHENGIVHRDLKPENLLYATPAPDAPLKIADFGLSKIVEHQVLMKTVCGTPGYCAP
EILRGCAYGPEVDMWVSVGIITYILLCGFEPFYDERGDQFMFRRILNCEYYFISPPWVDEVSLNAKDLVRKL
IVLDPKKRLTTFQALQHPWVTGKAANFVHMDTAQKKLQEFNARRKLKAAVKAVVASSRLGSASSSHGSIQ
ESHKASRDPSPIQDGNEDMKAIPERGEKIQQDGAQAQAAVKGAQAEMLMKVQALEKVKGADINAEAPKMVPKA
VEDGIKVADLEEEGLAEKLTVEEAAAPREGQGSSAVGFEVPPQDVLPEY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	51.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_001735](#)

Locus ID: 814

UniProt ID: [Q16566](#)

RefSeq Size: 2272

Cytogenetics: 5q22.1

RefSeq ORF: 1419

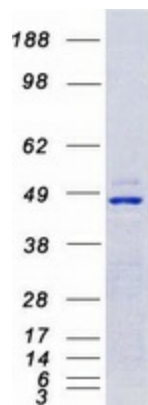
Synonyms: caMK; CaMK-GR; CaMK IV; CaMKIV

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]).