

Recombinant Full Length Human CAMK4 Protein, GST-tagged

Cat. No. CAMK4-2787HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CAMK4 full-length ORF (AAH25687.1, 1 a.a. - 473 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	473 amino acids
Description	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]
Molecular Mass	77.66 kDa
AA Sequence	MLKVTVPSCSASSCSSVTASAAPGTASLVPDYWIDGSNRDALSDFFEVESELGRGA TSIVYRCKQKGTQKPYALKVLKKTVDKKIVRTEIGVLLRLSHPNIIKLKEIFETPTEISLV LELVTGGELFDRIVEKGYYSERDAADAVKQILEAVAYLHENGIVHRDLKPENLLYATP APDAPLKIADFGLSKIVEHQVLMKTVCGTPGYCAPEILRGCAYGPEVDMWSVGIITYI LLCGFEPFYDERGDQFMFRRILNCEYYFISPPWDEVSLNAKDLVRKLIVLDPKKRLT TFQALQHPWVTGKAANFVHMDTAQKKLQEFNARRKLKAAVKAVVASSRLGSASSS HGSIQESHKASRDPSPIQDGNEDMKAIPERGEKIQGDGAQAAVKGAQAELMKVQALE KVKGADINAEAEAPKMVPAVEDGIKVADLELEEGLAEEKLKTVEEAAAPREGQGSSA

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	VGFEVPQQDVILPEY
Applications	Kinase Assay Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	CAMK4 calcium/calmodulin-dependent protein kinase IV [Homo sapiens]
Official Symbol	CAMK4
Synonyms	CAMK4; calcium/calmodulin-dependent protein kinase IV; calcium/calmodulin-dependent protein kinase type IV; brain Ca++ calmodulin dependent protein kinase type IV; calcium/calmodulin dependent protein kinase type IV catalytic chain; CAM kinase IV; CAM kinase GR; CaMK GR; caM kinase-GR; CAM kinase- GR; brain Ca++-calmodulin-dependent protein kinase type IV; brain Ca(2+)-calmodulin-dependent protein kinase type IV; calcium/calmodulin-dependent protein kinase type IV catalytic chain; IV; caMK; CaMK IV; CaMK-GR; MGC36771;
Gene ID	814
mRNA Refseq	NM_001744

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Protein Refseq	NP_001735
MIM	114080
UniProt ID	Q16566

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