

Recombinant Human CAMK4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CAMK4-4251H Lot. No. (See product label)

SPECIFICATION

Product Overview

CAMK4 MS Standard C13 and N15-labeled recombinant protein (NP_001735) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

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.

Molecular Mass

51.9 kDa

AA Sequence

MLKVTVPSCSASSCSSVTASAAPGTASLVPDYWIDGSNRDALSDFFEVESELGRGA
 TSIVYRCKQKGTQKPYALKVLKKTVDKKIVRTEIGVLLRLSHPNIIKLKEIFETPTEISLV
 LELVTGGELFDRIVEKGYYSERDAADAVKQILEAVAYLHENGIVHRDLKPENLLYATP
 APDAPLKIADFGLSKIVEHQVLMKTVCGTPGYCAPEILRG CAYGPEVDMWSVGIITYI
 LLCGFEPFYDERGDQFMFRRILNCEYYFISPWWDEVSLNAKDLVRKLVLDPKKRLT
 TFQALQHPWVTGKAANFVHMDTAQKKLQEFNARRKLKAAVKAVVASSRLGSASSS
 HGSIQESHKASRDPSPIQDGNEDMKAIPERGEKIQQDGAQAQAAVKGAQAELMKVQALE
 KVKGADINAE EAPKMV PKAVEDGIKVADLELEEGLAE EKLTVEEAAAPREGQGSSA

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VGFEVPQQDVILPEYTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [CAMK4 calcium/calmodulin-dependent protein kinase IV \[Homo sapiens \(human\) \]](#)

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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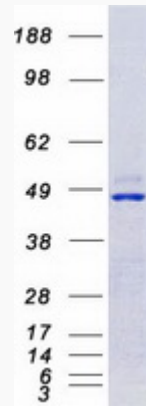
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Protein Refseq NP_001735

MIM 114080

UniProt ID Q16566

SDS-PAGE



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