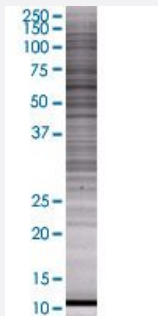


# CAMK4 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000814-T01

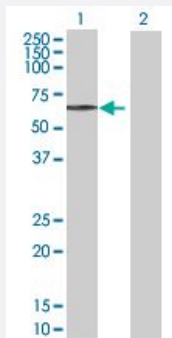
Size 100 uL

## Applications



### SDS-PAGE Gel

CAMK4 transfected lysate.



### Western Blot

Lane 1: CAMK4 transfected lysate ( 52.14 KDa)

Lane 2: Non-transfected lysate.

## Specification

|                               |                        |
|-------------------------------|------------------------|
| Transfected Cell Line         | 293T                   |
| Plasmid                       | pCMV-CAMK4 full-length |
| Host                          | Human                  |
| Theoretical MW (kDa)          | 52.14                  |
| Interspecies Antigen Sequence | Mouse (81); Rat (79)   |

**Quality Control Testing**

Transient overexpression cell lysate was tested with Anti-CAMK4 antibody ([H00000814-B01](#)) by Western Blots.  
SDS-PAGE Gel  
CAMK4 transfected lysate.  
Western Blot  
Lane 1: CAMK4 transfected lysate ( 52.14 KDa)  
Lane 2: Non-transfected lysate.

**Storage Buffer**

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot

## Gene Info — CAMK4

**Entrez GeneID**[814](#)**GeneBank Accession#**[NM\\_001744.3](#)**Protein Accession#**[NP\\_001735.1](#)**Gene Name**

CAMK4

**Gene Alias**

CaMK-GR, MGC36771

**Gene Description**

calcium/calmodulin-dependent protein kinase IV

**Omim ID**[114080](#)**Gene Ontology**[Hyperlink](#)**Gene 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]

**Other Designations**

CAM kinase IV|CAM kinase- GR|brain Ca(2+)-calmodulin-dependent protein kinase type IV|brain Ca++-calmodulin-dependent protein kinase type IV|calcium/calmodulin-dependent protein kinase type IV catalytic chain

## Pathway

- [Calcium signaling pathway](#)
- [Long-term potentiation](#)
- [Neurotrophin signaling pathway](#)

## Disease

- [Alcoholism](#)
- [Azoospermia](#)
- [Genetic Predisposition to Disease](#)
- [Narcolepsy](#)
- [Oligospermia](#)
- [Tobacco Use Disorder](#)