



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## CAMK4 Validated Chimera RNAi

Catalog # : H00000814-R01V

規格 : [ 10 nmol ] [ 20 nmol ]

List All

### Specification

**Product Description:** Homo sapiens calcium/calmodulin-dependent protein kinase IV (CAMK4), mRNA.

**Reactivity:** Human

**Supplied Product:** DEPC water

**Target Refseq:** NM\_001744

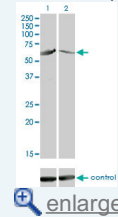
**Storage Instruction:** Store at -20°C, do not exceed 4 - 5 freeze-thaw cycles to ensure product integrity.

**Note:** Position of the Chimera RNAi.



### Application Image

RNAi Knockdown (Antibody validated)

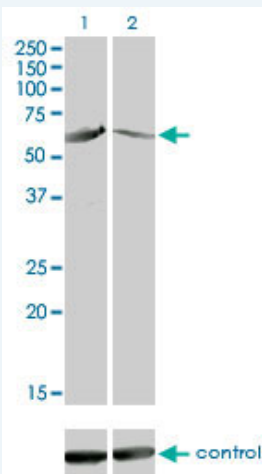


### Publication Reference


- [dsCheck: highly sensitive off-target search software for double-stranded RNA-mediated RNA interference.](#)  
Naito Y, Yamada T, Matsumiya T, Ui-Tei K, Saigo K, Morishita S. *Nucleic Acids Res.* 2005 Jul 1;33(Web Server issue):W589-91.
- [Functional dissection of siRNA sequence by systematic DNA substitution: modified siRNA with a DNA seed arm is a powerful tool for mammalian gene silencing with significantly reduced off-target effect.](#)  
Ui-Tei K, Naito Y, Zenno S, Nishi K, Yamato K, Takahashi F, Juni A, Saigo K. *Nucleic Acids Res.* 2008 Apr;36(7):2136-51. Epub 2008 Feb 11.
- [Guidelines for the selection of highly effective siRNA sequences for mammalian and chick RNA interference.](#)  
Ui-Tei K, Naito Y, Takahashi F, Haraguchi T, Ohki-Hamazaki H, Juni A, Ueda R, Saigo K. *Nucleic Acids Res.* 2004 Feb 9;32(3):936-48. Print 2004.
- [siDirect: highly effective, target-specific siRNA design software for mammalian RNA interference.](#)  
Naito Y, Yamada T, Ui-Tei K, Morishita S, Saigo K. *Nucleic Acids Res.* 2004 Jul 1;32(Web Server issue):W124-9.

### Applications

RNAi Knockdown (Antibody validated)



Western blot analysis of CAMK4 over-expressed 293 cell line, cotransfected with CAMK4 Validated Chimera RNAi ( Cat # H00000814-R01V ) (Lane 2) or non-transfected control (Lane 1). Blot probed with CAMK4 monoclonal antibody (M01) clone 1A3 (Cat # H00000814-M01 ). GAPDH ( 36.1 kDa ) used as specificity and loading control.

 [Protocol Download](#)

## Gene Information

**Entrez GeneID:** [814](#)

**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

## Gene Pathway

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

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