



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### CAMK2D (Human) Recombinant Protein (P01)

**Catalog Number:** H00000817-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human CAMK2D full-length ORF ( NP\_742126.1, 1 a.a. - 478 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MASTTTCTRFTDEYQLFEELGKGAFSVVRRCKMIPTG  
QEYAAKIINTKKLSARDHQKLEREARICRLKHPNIVRL  
HDSISEEGFHLYVFDLVTGGELFEDIVAREYYSEADAS  
HCIQQILESVNHCHLNGIVHRDLKPENLLLASKSKGAA  
VKLADFLAIEVQGDQQAWFGFAGTPGYLSPEVLRKD  
PYGKPVDMWACGVILYILLVGYPFWDEDQHRLYQQI  
KAGAYDFPSPEWDTVTPEAKDLINKMLTINPAKRITAS  
EALKHPWICQRSTVASMMHRQETVDCLKKFNARRKLG  
GAILTTMLATRNFSAAKSLKPKDGVKESTESSNTTIED  
EDVKARKQEIIKVTEQLIEAINNGDFEAYTKICDPGLTAF  
EPEALGNLVEGMDFHRFYFENALSKSNKPIHTIILNPHV  
HLVGDDAACIAYIRLTQYMDGSGMPKTMQSEETRVW  
HRRDGKWQNVHFHRSGSPTVPIN

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 80.5

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 817

**Gene Symbol:** CAMK2D

**Gene Alias:** CAMKD, DKFZp686G23119, DKFZp686I2288, MGC44911

**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. Calcium signaling is crucial for several aspects of plasticity at glutamatergic synapses. In mammalian cells, the enzyme is composed of four different chains: alpha, beta, gamma, and delta. The product of this gene is a delta chain. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Distinct isoforms of this chain have different expression patterns]