



# 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

### CAMK2B (Human) Recombinant Protein (P01)

**Catalog Number:** H00000816-P01

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

**Product Description:** Human CAMK2B full-length ORF (AAH19070.1, 1 a.a. - 503 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MATTVTCTRFTDEYQLYEDIGKGAFSVVRRCVKLCTG  
HEYAAKIINTKKLSARDHQKLEREARICRLKHSNIVRL  
HDSISEEGFHLYVFDLVTGGELFEDIVAREYYSEADAS  
HCIQQILEAVLHCHQMGVVHRDLKPENLLASKCKGAA  
VKLADFLAIEVQGDQQAWFGFAGTPGYLSPEVLRKE  
AYGKPVDIWACGVILYILLVGYPFWDEDQHKLYQQIK  
AGAYDFPSPEWDTVTPEAKNLINQMLTINPAKRITAHE  
ALKHPWVCQRSTVASMMHRQETVECLKKFNARRKLG  
GAILTTMLATRNFSAKSLNKKADGVKQPQNTSTKNSA  
AATSPKGTLPAALESSEDSANTTIEDEDAKARKQEIIKT  
TEQLIEAVNNGDFEAYAKICDPGLTSFEPEALGNLVEG  
MDFHRFYFENLLAKNSKPIHTTILNPHVHVIGEDAACIA  
YIRLTQYIDGQGRPRTSQSEETRVWHRRDQKQNVH  
FHCSGAPVAPLQ

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

**Theoretical MW (kDa):** 81.07

**Applications:** AP, Array, ELISA, KA, 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:** 816

**Gene Symbol:** CAMK2B

**Gene Alias:** CAM2, CAMK2, CAMKB, MGC29528

**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 beta chain. It is possible that distinct isoforms of this chain have different cellular localizations and interact differently with calmodulin. Eight transcript variants encoding eight distinct isoforms have been identified for this gene. [provided by RefSeq]