

# Recombinant Calcium/Calmodulin Dependent Protein Kinase II Beta (CAMK2b)

Catalog No.: TP06098 100µg

**Sequence Information** 

Species: Human Gene ID:816

Swiss Prot:Q13554 Synonyms:Calcium/Calmodulin-Dependent

Protein Kinase Type II Subunit Beta;

CaM Kinase II Subunit Beta; CaMK-II

Subunit Beta; CAMK2B; CAM2;

CAMK2; CAMKB

Residues: Met1-Gln503

MATTVTCTRFTDEYQLYEDIGKGAFSVVRRCVKLCTGHEYAAKIINTKKLSARD

HQKLEREARICRLLKHSNIVRLHDSISEEGFHYLVFDLVTGGELFEDIVAREYY

SEADASHCIQQILEAVLHCHQMGVVHRDLKPENLLLASKCKGAAVKLADFGLAI

EVQGDQQAWFGFAGTPGYLSPEVLRKEAYGKPVDIWACGVILYILLVGYPPFWD

EDOHKLYOOIKAGAYDFPSPEWDTVTPEAKNLINOMLTINPAKRITAHEALKHP

WVCQRSTVASMMHRQETVECLKKFNARRKLKGAILTTMLATRNFSVGRQTTAPA

TMSTAASGTTMGLVEQAKSLLNKKADGVKPQTNSTKNSAAATSPKGTLPPAALE

POTTVIHNPVDGIKESSDSANTTIEDEDAKAPRVPDILSSVRRGSGAPEAEGPL

PCPSPAPFSPLPAPSPRISDILNSVRRGSGTPEAEGPLSAGPPPCLSPALLGPL

SSPSPRISDILNSVRRG

#### **Product Information**

**Source:** Recombinant expression.

Host: E.coli

Tags: N-terminal His Tag

Subcellular Location: Cytoplasm.

**Purity: >90%** 

**Traits:** Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and

Proclin300.

Original Concentration: 200µg/mL

**Applications:** Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)



Predicted isoelectric point: 7.7

Predicted Molecular Mass: 38.0kDa

Accurate Molecular Mass: 38kDa as determined by SDS-PAGE reducing conditions.

## [USAGE]

Reconstitute in ddH<sub>2</sub>O to a concentration of 0.1-0.5 mg/mL. Do not vortex.

### [STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

#### [ IDENTIFICATION ]

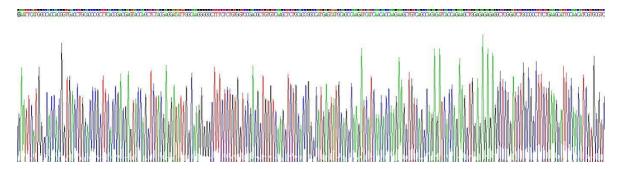


Figure 1. Gene Sequencing (Extract)

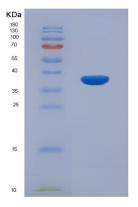


Figure 2. SDS-PAGE



# [ IMPORTANT NOTE ]

The kit is designed for in vitro and research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.