

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

SIPD223Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Cytoplasm
Predicted Molecular Mass	38.0kDa
Accurate Molecular Mass	38kDa(Analysis of differences refer to the manual)
Residues & Tags	Met1~Lys301 with N-terminal His Tag
Buffer Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Traits	Freeze-dried powder
Purity	> 80%
Isoelectric Point	7.7
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

MATTVTCTRF TDEYQLYEDI GKGAFSVVRR CVKLCTGHEY AAKIINTKKL
SARDHQKLER EARICRLLKH SNIVRLHDSI SEEGFHYLVF DLVTGGELFE
DIVAREYYSE ADASHCIQOI LEAVLHCHQM GVVHRDLKPE NLLLASKCKG
AAVKLADFGI AIEVQGDQQA WFGFAGTPGY LSPEVLRKEA YGKPVDIWAC
GVILYILLVG YPPFWEDEDQH KLYQQIKAGA YDFPSPEWDT VTPEAKNLIN
QMLTINPAKR ITAHEALKHP WVCQRSTVAS MMHRQETVEC LKKFNARRKL
K

USAGE

Reconstitute in ddH₂O to a concentration of 0.1-0.5 mg/mL. Do not vortex.

STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

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.

Image



SDS-PAGE Image

[IMPORTANT NOTE]

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