RPD041Hu01 50μg

Recombinant Calcium/Calmodulin Dependent Protein Kinase I (CAMK1)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Met1~Leu370

Tags: N-terminal His Tag

Subcellular Location: Cytoplasm

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01%skl, 5% Trehalose .

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: 5.1

Predicted Molecular Mass: 45.0kDa

Accurate Molecular Mass: 45kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8ºC for one month.

Aliquot and store at -80ºC 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.

[SEQUENCE]

MLGAVEGPRW KQAEDIRDIY DFRDVLGTGA FSEVILAEDK RTQKLVAIKC
IAKEALEGKE GSMENEIAVL HKIKHPNIVA LDDIYESGGH LYLIMQLVSG
GELFDRIVEK GFYTERDASR LIFQVLDAVK YLHDLGIVHR DLKPENLLYY
SLDEDSKIMI SDFGLSKMED PGSVLSTACG TPGYVAPEVL AQKPYSKAVD
CWSIGVIAYI LLCGYPPFYD ENDAKLFEQI LKAEYEFDSP YWDDISDSAK
DFIRHLMEKD PEKRFTCEQA LQHPWIAGDT ALDKNIHQSV SEQIKKNFAK
SKWKQAFNAT AVVRHMRKLQ LGTSQEGQGQ TASHGELLTP VAGGPAAGCC
CRDCCVEPGT ELSPTLPHQL

[IDENTIFICATION]

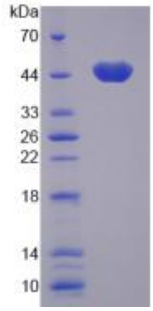

Figure. SDS-PAGE

[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.