

Recombinant Human CAMK1 Protein

Catalog #	Source	Reactivity	Applications
CRP1169	Human cells	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human CAMK1 Protein is produced by our mammalian expression system and the target gene encoding Met1-Leu370 is expressed with a 6His tag at the C-terminus.

Form Lyophilized from a 0.2 μ M filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

Gene Symbol CAMK1

Alternative Names Calcium/calmodulin-dependent protein kinase type 1; CaM kinase I; CaM-KI; CaM kinase I alpha; CaMKI-alpha

Entrez Gene 8536 (Human)

SwissProt Q14012 (Human)

Purity Greater than 95% as determined by reducing SDS-PAGE.

Chemical Structure MLGAVEGPRW KQAEDIRDIY DFRDVLGTGA FSEVILAEDK RTQKLVAIKC IAKEALEGKE GSMENEIAVL HKIKHPNIVA LDDIYESGGH LYLMQLVSG GELFDRIVEK GFYTERDASR LIFQVLDAVK YLHDLGIVHR DLKPENLLYY SLDEDSKIMI SDFGLSKMED PGSVLSTACG TPGYVAPEVL AQKPYSKAVD CWSIGVIAIY LLCGYPPFYD ENDAKLFEQI LKAEYEFDSP YWDDISDSAK DFIRHLMKED PEKRFTCEQA LQHPWIAGDT ALDKNIHQSV SEQIKKNFAK SKWKQAFNAT AVVRHMRKLQ LGTSQEGQGQ TASHGELLTP VAGGPAAGCC CRDCCVEPGT ELSPTLPHQL VDHSHHHH

Quality Control Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test.

Directions for Use Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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