

## General Information

### Gene Name Synonym

Calcium/calmodulin-dependent protein kinase type 1; cDNA, FLJ95825, Homo sapiens calcium/calmodulin-dependent protein kinase I (CAMK1),mRNA

### Protein Construction

A DNA sequence encoding the human CAMK1 (NP\_003647.1) (Leu 2-Leu 370) was expressed and purified, with two additional amino acids (Gly & Pro) at the N-terminus.

### Organism

Human

### Expression Host

E. coli

## QC Testing

### Purity

> 85 % as determined by SDS-PAGE

### Endotoxin

Please contact us for more information.

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Gly

### Molecular Mass

The recombinant human CAMK1 comprises 371 amino acids and has a predicted molecular mass of 41.5 kDa. The apparent molecular mass of the protein is approximately 42 kDa in SDS-PAGE under reducing conditions as predicted.

### Formulation

Supplied as sterile 50mM Tris, 150mM NaCl, 10% glycerol, pH 7.5

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

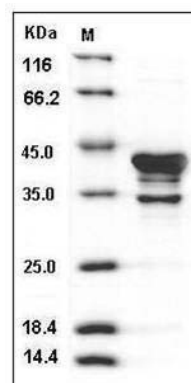
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human CAMK1 / CaMKI-alpha Protein SDS-PAGE