

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

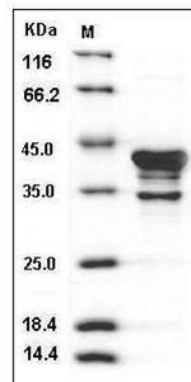
Storage

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