

# Human CaM Kinase 4/CaMKIV (GST Tag) recombinant protein



Catalog Number: 502556

## General Information

### Gene Name Synonym

CaM kinase-GR

### Protein Construction

A DNA sequence encoding the human CAMK4 (NP\_001735.1) (Met 1-Tyr 473) was fused with the GST tag at the N-terminus.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

No Kinase Activity

### Purity

> 82 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Met

### Molecular Mass

The recombinant human CAMK4/GST chimera consists of 697 amino acids and has a predicted molecular mass of 79 kDa. It migrates as an approximately 100 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 50mM Tris, 100mM NaCl, 0.5mM PMSF, pH 8.0

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

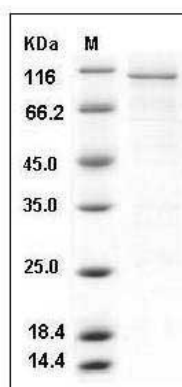
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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 CAMK4 / CaMKIV Protein (GST Tag) SDS-PAGE