

# Human MARK3/C-TAK1 (His & GST Tag) recombinant protein



Catalog Number: 502175

## General Information

### Gene Name Synonym

C-TAK1; Cdc25C-associated protein kinase 1; ELKL motif kinase 2; Protein kinase STK10; Ser/Thr protein kinase PAR-1; Serine/threonine-protein kinase p78

### Protein Construction

A DNA sequence encoding full length of human MARK3 (AAH24773.1) (Met 1-Leu 729) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

The specific activity was determined to be 7 nmol/min/mg using synthetic CHKtide peptide (KKKVSRSGLYRSPSPENLNRPR) as substrate.

### Purity

> 88 % 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 MARK3/GST chimera consists of 967 amino acids and has a calculated molecular mass of 109.3 kDa. It migrates as an approximately 120 kDa band in SDS-PAGE under reducing conditions.

## Formulation

Supplied as sterile 20mM Tris, 500mM NaCl, 0.25mM DTT, 0.1mM PMSF, 0.1mM EDTA, pH 7.4, 10% gly

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

## Usage Guide

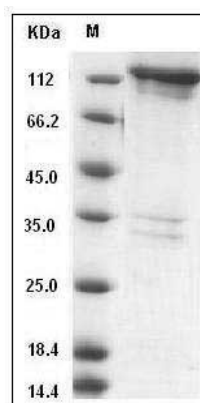
### Storage

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 MARK3 / CTAK1 / EMK-2 Protein (His & GST Tag) SDS-PAGE