

# Human Cyclin E1/CCNE1 (His & GST Tag) recombinant protein



Catalog Number: 502080

## General Information

### Protein Construction

A DNA sequence encoding the full length of human CCNE1 isoform 1 (NP\_001229.1) (Met 1-Ala 410) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.

Immobilized human HG3C-CCNE1 (Cat:502080) at 10 µg/ml (100 µl/well) can bind biotinylated human GST-CDK4 (Cat:501272). The EC<sub>50</sub> of biotinylated human GST-CDK4 (Cat:501272) is 45.0-106.0 ng/ml.

### Purity

> 82 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

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

### Predicted N terminal

Met

### Molecular Mass

The recombinant human CCNE1/GST chimera consists of 647 amino acids and has a calculated molecular mass of 75 KDa. It migrates as an approximately 70 KDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% gly, 1mM GSH, pH 7.4

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

## Usage Guide

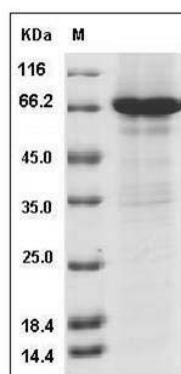
### Storage

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 CCNE1 / Cyclin-E1 Protein (His & GST Tag) SDS-PAGE