Human Cyclin E1/CCNE1 recombinant protein

Catalog Number: 503927

General Information

Protein Construction

A DNA sequence encoding the human CCNE1 (NP_001229.1) (Met 1-Ala 410) was expressed and purified with two additional amino acids (Gly & Pro) 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 CCNE1 (Cat:503927) at 10 μg/ml (100 μl/well) can bind biotinylated human GST-CDK4 (Cat:501272), The EC_{50} of biotinylated human GST-CDK4 (Cat:501272) is 0.55-1.29 μg/ml.

Purity

> 90 % 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℃

Predicted N terminal

Gly

Molecular Mass

The secreted recombinant human CCNE1 consists of 412 amino acids and predicts a molecular mass of 47.2 KDa. The apparent molecular mass of the protein is approximately 48 KDa in SDS-PAGE under reducing conditions due to glycosylation.

Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, 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

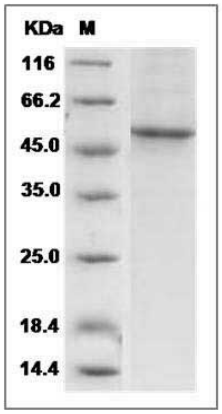
Storage

Store it under sterile conditions at -20℃ to -80℃. 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 SDS-PAGE