Human CDC2 & CCNE1 Heterotrimer Protein

Catalog Number: CT027-H0907B

General Information

Gene Name Synonym:

CCNE; CDC2; CDC28A; CDK1; CDKN1; P34CDC2 & CCNE1

Protein Construction:

A DNA sequence encoding the human CDC2 (NP_001777.1) (Met1-Met297) was expressed with a GST tag at the N-terminus, constructed the plasmid 1; A DNA sequence encoding the human CCNE1 (NP_001229.1) (Met1-Ala410) was expressed with a polyhistidine tag at the N-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the heterotrimer was purified.

Source: Human

Expression Host: Baculovirus-Insect Cells

QC Testing

Purity: > 90 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per μg 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: Met & His

Molecular Mass:

The recombinant heterotrimer of human CDC2 & CCNE1 comprises 950 (522+428) amino acids and has a calculated molecular mass of 109.7 (60.4+49.3) kDa.

Formulation:

Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 2 mM GSH, 10 % glycerol, pH 8.0.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

Store it under sterile conditions at -20℃ to -80℃ upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE: