

CDK1 & CCNE1 Heterodimer Protein, Human, Recombinant (His & GST)

General Information

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

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. Predicted N terminal: Met & His

Species: Human

Expression Host: Baculovirus Insect Cells

Accession: NP_001777.1&NP_001229.1

Molecular Weight: 109.7 kDa (predicted)

QC Testing

Biological Activity: No Kinase Activity

Purity: > 90 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU/ μ g of the protein as determined by the LAL method.

Formulation: Lyophilized from a solution filtered through a 0.22 μ m filter, containing 20 mM Tris, 500 mM NaCl, 2 mM GSH, 10% glycerol, pH 8.0. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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