Human Chk1 (GST Tag) recombinant protein

Catalog Number: 500104

Gene Name Synonym

EC 2.7.11.1; CHK1 checkpoint homolog; Cell cycle checkpoint kinase; Checkpoint kinase-1

Protein Construction

A DNA sequence encoding the human CHK1 (AAM78553.1) (Met1-Thr476) was fused with the GST tag at the N-terminus.

Organism

Human

Expression Host

Baculovirus-Insect Cells

Activity

The specific activity was determined to be 32 nmol/min/mg using CHKtide peptide (KKKVSRSGLYRSPSMPENLNRPR) as substrate.

Purity

> 95 % 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

Met

Molecular Mass

The recombinant human CHK1/GST chimera consists of 700 amino acids and predicts a molecular mass of 80.7kDa. It migrates as an approxiamtely 80 KDa band as predicted in SDS-PAGE under reducing conditions.

Formulation

Supplied as sterile 20mM Tris, 500mM NaCl, pH 7.4, 25% glycerol, 2mM GSH
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

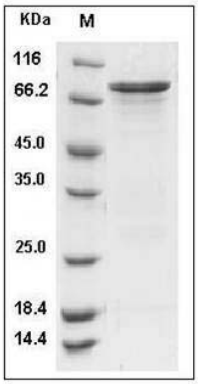
Storage

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 100ul sterile water and prepare a stock solution of 0.35 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human CHK1 / CHEK1 Protein (GST Tag) SDS-PAGE