

Recombinant Human Checkpoint kinase 2/CHEK2 Kinase

Catalog No.: RP03367LQ

Sequence Information

Species **Gene ID**
Human 11200

Swiss Prot **Tags**
O96017 N-GST

Synonyms

CHEK2; CDS1; CHK2; RAD53;
Checkpoint kinase 2; Cds1
homolog; Hucds1; hCds1

Product Information

Source **Purification**
Baculovirus-
Insect Cells ≥ 85% as
 determined by
 SDS-PAGE;≥
 85% as
 determined by
 HPLC.

Calculated MW **Observed MW**
87.4 kDa 75-85 kDa

Endotoxin

< 1 EU/μg of the protein by LAL
method.

Formulation

Supplied as a 0.22 μm filtered
solution in 50 mM Tris-HCl, 150
mM NaCl, 5% glycerol, 5 mM DTT,
0.1M Trehalose. (pH 7.5). Contact
us for customized product form or
formulation.

Reconstitution

Please use running water to thaw
it quickly.

Background

CHEK2 (Checkpoint kinase 2) is a tumor suppressor gene that encodes the protein CHK2, a serine-threonine kinase. CHK2 appears as a monomer in its inactive state. However, in the event of DNA damage SCD phosphorylation causes CHK2 dimerization. CHK2 regulates cell division, and has the ability to prevent cells from dividing too rapidly or in an uncontrolled manner. CHK2 is involved in DNA repair, cell cycle arrest or apoptosis in response to DNA damage. Mutations to the CHEK2 gene have been linked to a wide range of cancers.

Basic Information

Description

Recombinant Human Checkpoint kinase 2/CHEK2 Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Ser2-Leu543) of Human CHEK2 (Accession #O96017) fused with a N-GST tag.

Activity

The activity of CHEK2 is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -70°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

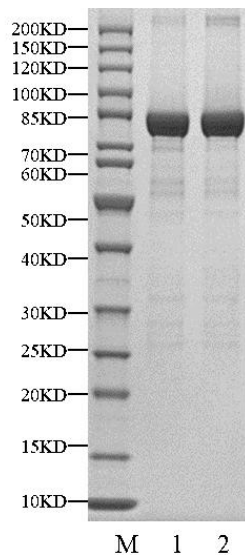
Contact

☎ | 400-999-6126

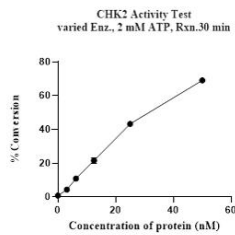
✉ | cn.market@abclonal.com.cn

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Validation Data



Recombinant Human Checkpoint kinase 2/CHEK2 Kinase was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.



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