



Recombinant Rat CHEK1 Protein Product Manual

1. Product Basic Information

Product No.: REP06449

Protein Name: Checkpoint Kinase Chk1 Checkpoint Homolog (CHEK1)

Aliases: CHK1; Chk1-OZEMA21; checkpoint kinase CHK1 checkpoint homolog; cell cycle checkpoint kinase

UniProt ID: O14757

UniProt Link: <https://www.uniprot.org/uniprotkb/O14757/entry>

Species Source: Rattus norvegicus (Rat)

Expression System: Baculovirus

Protein Length: Full Length (1-476aa)

Molecular Weight: 57.2 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (1-476aa)

MAVPFVEDWDLVQTLGEGAYGEVQLAVNRITEEAVAVKIVDMKRAIDCPENIKKEICI
NKMLNHENVVKFYGHRREGNIQYLFLEYCSGGELFDRIEPDIGMPEQDAQRFFHQL
MAGVVYLHGIGITHRDIKPENLLLDERDNLKISDFGLATVFRHNNRERLLNKMCGTLP
YVAPELLKRKEFHAEPVDVWSCGIVLTAMLAGELPWDQPSDSCQEYSDWKEKTTY
LNPWKKIDSAPLALLHKILVENPSARITIPDIKKDRWYNKPLNRGAKRPRATSGGMSE
SSSGFSKHIHSNLDSPINSGSSEENVKFSSSQPEPRTGLSLWDTGPSNVDKLVQGI
SFSQPTCPDHMLVNSQLLGTGSSQNPNWQRLVKRMTRFFTKLDADKSYQCLKETF
EKLGYQWKSCMNQVTVMDDRRNNKLIFKINLVEMDEKILVDFRLSKGDGLEFKR
HFLKIKGKLSDIVSSQKVWFPVT

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Rat CHEK1 full length protein (1-476aa) expressed in Baculovirus. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. CHEK1, also known as CHK1 or Chk1-OZEMA21 or checkpoint kinase CHK1 checkpoint homolog, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.