



Recombinant Human CSNK2A1 Protein Product Manual

1. Product Basic Information

Product No.: REP06570

Protein Name: Protein Kinase Ck2 (CSNK2A1)

Aliases: CKII; Cka1; Cka2; CK2A1; OCNDS; protein kinase CK2; casein kinase 2 alpha CK2 catalytic subunit alpha; casein kinase II subunit alpha; casein kinase II alpha 1 subunit; casein kinase 2, alpha 1 polype...

UniProt ID: P68400

UniProt Link: <https://www.uniprot.org/uniprotkb/P68400/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-391aa)

Molecular Weight: 61.1kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (1-391aa)

MSGPVPSRARVYTDVNTHRPREYWDYESHVVEWGNQDDYQLVRKLGRGKYSEV
FEAINITNNEKVVKILKPVKKKKIKREIKILENLRGGPNITLADIVKDPVSRTPALVFE
HVNNTDFKQLYQTLTDYDIRFYMYEILKALDYCHSMGIMHRDVKPHNVIMIDHEHRKL
RLIDWGLAEFYHPGQEYNVRVASRYFKGPPELLVDYQMYDYSLDMWSLGCMLASMI
FRKEPFFHGHNDNYDQLVRIAKVLGTEDLYDYIDKYNIELDPRFNDILGRHSRKRWER
FVHSENQHLVSPEALDFLDKLLRYDHQSRLTAREAMEHPYFYTVVKDQARMGSSS
MPGGSTPVSSANMMMSGISSVPTPSPLGPLAGSPVIAAANPLGMPVPAAAGAQQ

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 Human CSNK2A1 full length protein (1-391aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. CSNK2A1, also known as CKII or Cka1 or Cka2, 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.