

Product Information

Recombinant human Casein Kinase 2 beta protein

Catalog Number: IBATGP4047



PRODUCT INFORMATION

Expression system

E.coli

Domain

1-215aa

UniProt No.

P67870

NCBI Accession No.

NP_001311

Alternative Names

PKCK2 Beta, PKCK2B, CK2N, CSK2B, MGC138222, MGC138224, G5A, Phosvitin, Casein Kinase 2 beta, Casein Kinase 2B, Casein Kinase 2 beta, Casein kinase 2 beta polypeptide, Casein kinase II subunit beta, CK II beta, CK2B, CSNK 2B, CSNK2B, G5A,

PRODUCT SPECIFICATION

Molecular Weight

24.9 kDa (215aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.2M NaCl, 1mM DTT, 1mM EDTA

Purity

> 95% by SDS-PAGE

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Casein Kinase 2 (CK2, also called PKCK2) is a ubiquitous Ser/Thr kinase expressed in all eukaryotes. CK2 is a tetramer composed of two catalytic kinase domains, alpha subunits, and two identical regulatory beta subunits. It has been implicated in cell cycle control, DNA repair, regulation of the circadian rhythm, and other cellular processes. The beta subunit itself does not have kinase activity, but confers stability to the CK2 alpha subunit

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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and is involved in activity and substrate specificity. Recombinant human CK2beta was expressed in *E. coli* and purified by using conventional chromatography techniques.

Amino acid Sequence

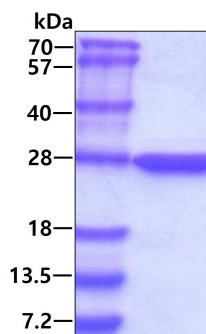
MSSSEEVSWI SWFCGLRGNE FFCEVDEYI QDKFNLTGLN EQVPHYRQAL DMILDLEPDE ELEDNPNQSD LIEQAAEMLY
GLIHARYILT NRGIAQMLEK YQQGDFGYCP RVYCENQPML PIGLSDIPGE AMVKLYCPKC MDVYTPKSSR HHHTDGAYFG
TGFPHMLFMV HPEYRKRPA NQFVPRLYGF KIHPMAYQLQ LQAASNFKSP VKTIR

General References

Litchfield DW., et al. (2003). *Biochem J.* 369(1):1-15
unger GM., et al. (2004). *Curr. Cancer Drug Targets* 4(1):77-84

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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