Recombinant human Casein Kinase 2 beta protein

Catalog Number: CKB0801

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

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

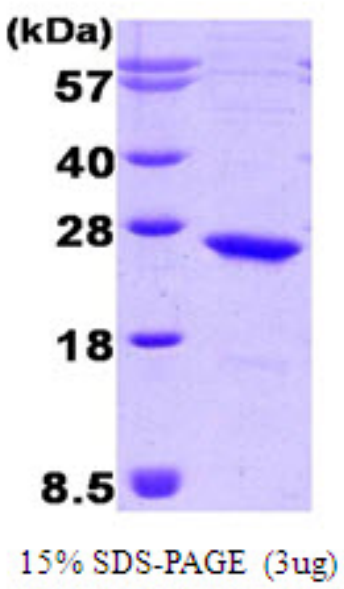
MSSSEEVSWI SWFCGLRGNE FFCEVDEDYI QDKFNLTGLN EQVPHYRQAL DMILDLEPDE ELEDNPNQSD LIEQAAEMLY GLIHARYILT NRGIAQMLEK YQQGDFGYCP RVYCENQPML PIGLSDIPGE AMVKLYCPKC MDVYTPKSSR HHHTDGAYFG TGFPHMLFMV HPEYRPKRPA NQFVPRLYGF KIHPMAYQLQ LQAASNFKSP VKTIR

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



15% SDS-PAGE (3ug)

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