
Product Data Sheet

Product Name: CSNK2B Human
 Cat. No.: GP22458
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Casein kinase II subunit beta; CK II beta; Phosvitin; G5a; CK2B; CK2N; CSK2B; MGC138222; MGC138224.		
Amino Acid Sequence	MSSSEEVSWI SWFCGLRGNE FFCEVDEDYI QDKFNLTGLN EQVPHYRQAL DMILDLEPDE ELEDNPNQSD LIEQAAEMLY GLIHARYILT NRGIAQMLEK YQQGDFGYCP RVCENQPML PIGLSDIPGE AMVKLYCPKC MDVYTPKSSR HHHTDGAYFG TGFPHMLFMV HPEYRPKRPA NQFVPRLYGF KIHPMAYQLQ LQAASNFKSP VKTIR.		
Formulation	The CSNK2B protein (1 mg/ml) contains 20mM Tris-HCl pH 8.0, 200mM NaCl, 1mM DTT, 1mM EDTA, 1uM leupeptin and 40% glycerol.		

Introduction

Casein Kinase 2 also called 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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze-thaw cycles.

Background

CSNK2B Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 215 amino acids and having a total molecular mass of

Caution: Product has not been fully validated for medical applications. For research use only.

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24.9kDa. CK2 beta is purified by proprietary chromatographic techniques.

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