



Product Datasheet

Product Name	Casein Kinase 2 Beta Human Recombinant
Cata No	CB501425
Source	<i>Escherichia Coli</i> .
Synonyms	Casein kinase II subunit beta, CK II beta, Phosvitin, G5a, CK2B, CK2N, CSK2B, MGC138222, MGC138224.

Description

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.

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 24 kDa.

CK2 beta is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile colorless liquid formulation.

Purity

Greater than 95.0% as determined Analysis by SDS-PAGE.

Formulation

20mM Tris pH 8.0, 200mM NaCl, 1mM DTT, 1mM EDTA, 1uM leupeptin, 40% glycerol.

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.

Sequence

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