

CSNK2B Human

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

Catalog #: PKPS-230

For research use only.

Synonyms: Casein kinase II subunit beta, CK II beta, Phosvitin, G5a, CK2B, CK2N, CSK2B, MGC138222, MGC138224.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MSSSEEVSWI SWFCGLRGNE FFCEVDEDYI QDKFNLTGLN
EQVPHYRQAL DMILDLEPDE ELEDNPNQSD LIEQAAEMLY GLIHARYILT NRGIAQMLEK
YQGGDFGYCP RVYCENQPML PIGLSDIPGE AMVKLYCPKC MDVYTPKSSR HHHTDGAYFG
TGFPHMLFMV HPEYRPKRPA NQFVPRLYGF KIHMPAYQLQ LQAASNFKSP VKTIR.

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

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.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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