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CCNB2 Human

Catalog #:PKPS-042

For research use only.

Description:CCNB2 Human Recombinant produced in E. coli is a single polypeptide chain containing 422 amino acids (1-398) and having a molecular mass of 47.9 kDa.CCNB2 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Synonyms:G2/mitotic-specific cyclin-B2, HsT17299, cyclin B2.

Source:E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSHMALLRR PTVSSDLENI DTGVNSKVKS HVTIRRTVLE EIGNRVTTRA AQVAKKAQNT KVPVQPTKTT NVNKQLKPTA SVKPVQMEKL APKGPSPTPE DVSMKEENLC QAFSDALLCK IEDIDNEDWE NPQLCSDYVK DIYQYLRQLE VLQSINPHFL DGRDINGRMR AILVDWLVQV HSKFRLLQET LYMCVGIMDR FLQVQPVSRK KL

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:
The CCNB2 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 5mM DTT and 50% 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).Avoid multiple freeze-thaw cycles.

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

Introduction:
CCNB2 is a member of the cyclin family. CCNB2 is vital for regulation of the cell cycle at the G2/M (mitosis) transition. CCNB2 cooperates with the CDK1 protein kinase to create a serine/threonine kinase holoenzyme complex recognized as maturation promoting factor (MPF).

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