

CKS2 Human

Description:CKS2 Human Recombinant fused to T7-Tag produced in E.Coli is a single, non-glycosylated polypeptide chain containing 94 amino acids and having a molecular mass of 11 kDa.

Catalog #:PKPS-265

Synonyms:CDC28, CKSHS2, CKS2, CDC28 Protein Kinase 2.

For research use only.

Source:Escherichia Coli.

Physical Appearance:Sterile Filtered colorless solution.

Amino Acid Sequence:MASMTGGQQM GRGSHMAHKQ IYYS DKYFDE HYEYRHVMLP
RELSKQVPKT HLMSEEEWRR LGVQQSLGWV HYMIHEPEPH ILLFRRPLPK DQQ.

Purity:Greater than 95.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Formulation:

The CKS2 protein solution contains 20mM Tris-HCl pH-7.5 and 20% glycerol.

Stability:

CDC28 although stable 4°C for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Usage:

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Introduction:

CKS2 protein binds to the catalytic subunit of the cyclin dependent kinases and is necessary for their biological function. The CKS2 mRNA is expressed in various patterns through the cell cycle in HeLa cells, which shows specific role for the encoded protein. CKS2 (CDC28) Protein kinase 2 binds to the catalytic subunit of cyclin-dependent kinases and has thus been involved in cell cycle regulation. CKS2 is required for the first metaphase/anaphase transition during the meiosis. An increase in expression of CKS2 protects the cells from apoptosis. CKS2 is essential during early embryogenesis and cell cycle progression in somatic cells.

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