



Product Datasheet

Product Name	CDC28 Protein Kinase 2 Human Recombinant
Cata No	CB501428
Source	<i>Escherichia Coli.</i>
Synonyms	CDC28, CKSHS2, CKS2, CDC28 Protein Kinase 2.

Description

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.

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.

Physical Appearance

Sterile Filtered colorless solution.

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.

Sequence

MASMTGGQQM GRGSHMAHKQ IYYS DKYFDE
HYEYRHVMLP RELSKQVPKT
HLMSEEEWRRLGVQQSLGWV HYMIHEPEPH
ILLFRRPLPK DQQ