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## Product Data Sheet

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Product Name: CKS2 Human  
 Cat. No.: GP22470  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CDC28; CKSHS2; CKS2; CDC28 Protein Kinase 2.		
Amino Acid Sequence	MASMTGGQQM GRGSHMAHKQ IYYS DKYFDE HYEYRHVMLP RELSKQVPKT HLMSEEEWRRRLGVQQSLGWV HYMIHEPEPH ILLFRRPLPK DQQ.		
Formulation	The CKS2 protein solution contains 20mM Tris-HCl pH-7.5 and 20% glycerol.		

### 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.

### 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.

### Background

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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA