



Cks1 (1-79): sc-4241 WB

BACKGROUND

The Cdc2 p34-cyclin B complex plays a critical role in the cell cycle by regulating the G₂ to M transition. Also referred to as M phase promoting factor or MPF, this complex is a required component of the cell cycle machinery and is necessary for cell entry into mitosis. The Cdc28 protein represents the *S. cerevisiae* counterpart of human Cdc2 p34 and has been found complexed to a regulatory protein, termed p13suc 1, in addition to cyclin B. The human homolog of p13suc 1 has been identified and designated Cks1 p9. Null mutations in the p13suc 1 and Cks1 p9 genes result in the arrest of the cell cycle at either the G₁ or G₂ phase, suggesting that the proteins may also regulate the activity of cyclin dependent kinases that act at critical points early in the cell cycle.

REFERENCES

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SOURCE

Cks1 (1-79) is expressed in *E. coli* as a 13 kDa polyhistidine tagged fusion protein of human origin corresponding to amino acids 1-79 of Cks1 p9.

PRODUCT

Cks1 (1-79) is purified from bacterial lysates (>98%) by Ni⁺⁺ affinity chromatography; supplied as 10 µg in 0.1 ml SDS-PAGE loading buffer.

APPLICATIONS

Cks1 (1-79) is suitable as a Western blotting control for sc-6238.

STORAGE

Store at -20° C; stable for one year from the date of shipment.

RESEARCH USE

For research use only, not for use in diagnostic procedures.