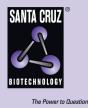
Cks1 (1-79): sc-4241 WB



BACKGROUND

The Cdc2 p34-cyclin B complex plays a critical role in the cell cycle by regulating the G_2 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 G_1 or G_2 phase, suggesting that the proteins may also regulate the activity of cyclin dependent kinases that act at critical points early in the cell cycle.

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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.

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