

Title (en)
MAMMALIAN CHK1 EFFECTOR CELL-CYCLE CHECKPOINT PROTEIN KINASE MATERIALS AND METHODS

Title (de)
CHK1 EFFEKTOR ZELLZYKLUS KONTROLLPUNKT-PROTEINKINASE AUS SÄUGETIEREN, MATERIALIEN UND METHODEN

Title (fr)
MATERIELS DE PROTEINE-KINASE POINT DE CONTROLE DU CYCLE CELLULAIRE, EFFECTEUR DE CHK1 MAMMALIEN ET METHODES

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Abstract (en)
[origin: WO9911795A1] The present invention generally relates to genes encoding cell cycle checkpoint kinase related proteins essential to meiosis, mitosis, and DNA damage responses in cells and the respective proteins. These kinases arrest the cell cycle following DNA damage to allow DNA repair prior to mitosis, meiosis, or initiation of DNA replication. More particularly, the invention provides a novel cycle checkpoint kinase, Chkl, and polynucleotide sequences encoding Chkl. Assays for identifying modulators of Chkl are also disclosed. Modulators are useful for example, in chemotherapy and as radiation adjuvants.

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