

Title (en)
FUSION PROTEINS COMPRISING CELL CYCLE REGULATORY PROTEINS

Title (de)
FUSIONSPROTEINE, DIE ZELLZYKLUS-REGULIERENDE PROTEINE ENTHALTEN

Title (fr)
PROTEINES DE FUSION COMPRENANT DES PROTEINES REGULATRICES DU CYCLE CELLULAIRE

Publication
EP 0871659 A1 19981021 (EN)

Application
EP 97901350 A 19970103

Priority
• US 9700140 W 19970103
• US 962996 P 19960105

Abstract (en)
[origin: WO9725345A1] The present invention provides novel fusion proteins comprising cyclins and CDKs. A preferred embodiment of the invention provides fusion proteins comprising human cyclin D1 and human CDK4. The fusion proteins of the invention optionally contain modifications, which facilitate their purification. Addition of histidine residues to selected constructs allows purification via immobilized metal affinity chromatography. Antigenic determinants allowing monoclonal antibody-based affinity chromatography purification are provided in selected embodiments of the invention. Protease cleavage sites are incorporated in selected constructs to allow cleavage of the regions incorporated in the cyclin-CDK fusion proteins for purification. Additional modifications which facilitate purification include strepavadin binding domains and antigenic determinants for antibody affinity chromatography.

IPC 1-7
C07K 14/00; **C12P 21/02**; **C12N 9/12**; **C07H 21/04**

IPC 8 full level
C07K 14/47 (2006.01); **C12N 9/12** (2006.01)

CPC (source: EP)
C07K 14/4738 (2013.01); **C12N 9/1205** (2013.01); **C07K 2319/00** (2013.01); **C12N 2799/026** (2013.01)

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)
WO 9725345 A1 19970717; AU 1526897 A 19970801; CA 2241849 A1 19970717; EP 0871659 A1 19981021; EP 0871659 A4 20000426

DOCDB simple family (application)
US 9700140 W 19970103; AU 1526897 A 19970103; CA 2241849 A 19970103; EP 97901350 A 19970103