Title (en)

TEST SYSTEM FOR DETERMINING THE ACTIVITY OF CYCLO-NUCLEOTIDE-DEPENDENT PROTEIN KINASES AND VASP PHOSPHATASES

Title (de)

TESTSYSTEM ZUR BESTIMMUNG DER AKTIVITÄT VON CYCLO-NUKLEOTID-ABHÄNGIGEN PROTEINKINASEN UND VASP-PHOSPHATASEN

Title (fr)

SYSTEME DE TEST POUR DETERMINER L'ACTIVITE DE PROTEINES KINASES DEPENDANTES DES CYCLONUCLEOTIDES ET DE VASP-PHOSPHATASES

Publication

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Application

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- EP 0106621 W 20010612

Abstract (en)

[origin: WO0196594A2] The invention relates to an HTS-appropriate test system for detecting the activity of cyclo-nucleotide-dependent protein kinases (cNPK) containing: a) at least one test compound; b) at least one appropriate cNPK substrate; c) at least one composition, which is to be incubated and which contains cNPK and ATP, optionally, phosphorylation reaction stoppers, and; d) an appropriate detection system for quantifying the phosphorylation of the cNPK substrate. The invention also relates to an HTS-appropriate test system for detecting the activity of VASP phosphatases containing: e) at least one test compound; f) at least one appropriate VASP phosphatase substrate; g) at least one composition, which is to be incubated and which contains VASP phosphatase, and; h) an appropriate detection system for quantifying the dephosphorylation of the VASP phosphatase substrate. The described test systems can be used for locating compounds, which modulate the activity of a cNPK or of a VASP phosphatase, from chemical or natural substance libraries.

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