

Title (en)

METHOD AND CONSTRUCT FOR SCREENING FOR INHIBITORS OF TRANSCRIPTIONAL ACTIVATION

Title (de)

VERFAHREN UND GENANORDNUNG ZUM NACHWEIS VON INHIBITORENDER TRANSKRIPTIONS-AKTIVIERUNG

Title (fr)

PROCEDE ET PRODUIT D'ASSEMBLAGE POUR LA RECHERCHE D'INHIBITEURS D'ACTIVATION DE LA TRANSCRIPTION

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Application

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Abstract (en)

[origin: WO9710360A1] A collision construct is provided that contains a first regulatory sequence containing a first promoter linked to a reporter gene which is also linked to a second regulatory sequence containing a second promoter such that the reporter gene is under regulatory control of the first promoter. The direction of transcription under the first promoter is opposite the direction of transcription under the second promoter and activation of the second promoter interferes with reporter gene activity. The collision construct is used to screen inhibitors of the second regulatory sequence and the second promoter whereby a functional inhibitor causes an enhanced signal of the reporter gene. Vectors, host cells and kits containing the collision construct are provided, as well as methods for producing the collision construct, the vectors and host cells, and methods for screening candidate inhibitors for their ability to inhibit target promoter activities.

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