Title (en)

METHODS FOR PRODUCING RETROVIRAL VECTORS WITH AN ALTERED TROPISM

Title (de)

VERFAHREN ZUR HERSTELLUNG RETROVIRALER VEKTOREN MIT VERÄNDERTEM TROPISMUS

Title (fr)

PROCEDES DE PRODUCTION DE VECTEURS RETROVIRAUX PRESENTANT UN TROPISME MODIFIE

Publication

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Application

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Abstract (en)

[origin: EP0878547A1] The invention relates to the field of molecular biology and virology. It particularly relates to the field of genetic engineering techniques and the use of these techniques in preparing novel pharmaceuticals, in particular in the field of gene therapy and to methods for producing novel retroviral vectors, these vectors and recombinant viruses obtainable by the methods. The invention provides a method for producing a retrovirus or a recombinant virus derived therefrom having an altered tropism, whereby the genome of the virus is modified so that at least one of its translation initiation sites is at least partially functionally inhibited. The invention also provides a method for producing a recombinant vector encoding a recombinant retrovirus having modified tropism, comprising culturing said retrovirus in a host cell to allow for the virus to circumvent an introduced inhibition, identifying the sequence which was mutated to circumvent said inhibition and introducing the mutation in another vector based on a retrovirus or provirus of a retrovirus.

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