

Title (en)
RECOMBINANT HIV AND MODIFIED PACKAGING CELLS AND METHOD FOR TREATING ACQUIRED IMMUNE DEFICIENCY SYNDROME

Title (de)
REKOMBINANTES HIV UND MODIFIZIERTE VERPACKUNGSZELLEN SOWIE METHODE ZUR BEHANDLUNG VON AIDS

Title (fr)
VIH RECOMBINE, CELLULES D'ENCAPSIDATION MODIFIEES ET METHODE DE TRAITEMENT DU SYNDROME D'IMMUNODEFICIENCE ACQUISE

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Application
EP 96942059 A 19961125

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Abstract (en)
[origin: WO9720052A1] A recombinant human immunodeficiency virus (rHIV) and recombinant mammalian cell-line (packaging systems) and a method for treating infection of cells by human immunodeficiency virus HIV. rHIV, such as rHIV-1, comprises a gene construction which includes a foreign gene. The expression of this gene is activated in human cells in the presence of wild-type HIV. This gene product can cause cell death in the presence of an appropriate drug, e.g. Acyclovir. This gene product is typically a viral thymidine kinase. rHIV is so constructed that is unable to replicate by itself due to the absence of a regulatory gene that is necessary for its replication, such as tat or rev or both. The recombinant mammalian cell-line packaging system comprises in its genome a recombinant gene construction which typically includes a functional regulatory gene from HIV which is missing from rHIV, such as the tat or rev genes or both. The method for treating infection of cells by HIV comprises administering a composition comprising rHIV, which is produced in vitro from a recombinant mammalian cell-line, and treating with a nucleoside analog, such as Acyclovir or Gancyclovir.

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