

Title (en)

COMPOSITIONS AND METHODS FOR SITE-DIRECTED INTEGRATION INTO DNA

Title (de)

ZUSAMMENSETZUNGEN UND METHODEN FÜR DIE ORTSSPEZIFISCHE INTEGRATION IN DNS

Title (fr)

COMPOSITIONS ET PROCEDES D'INTEGRATION DIRECTIONNELLE DANS DE L'ADN

Publication

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Application

EP 96944223 A 19961127

Priority

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Abstract (en)

[origin: WO9720038A1] The present invention provides fusion proteins capable of integrating a donor DNA molecule into a target DNA molecule at or near a target nucleotide sequence. The fusion proteins comprise a retroviral integrase catalytic domain COOH-terminally coupled to a DNA binding protein domain having binding specificity for the target nucleotide sequence. Nucleic acids encoding same; vectors, expression systems, and host cells carrying nucleic acids encoding said fusion proteins; and methods of integrating a donor DNA molecule at or near a specific site on a target DNA molecule are provided. The integrating may result in a gene encoding a therapeutic to be introduced via gene therapy, or may result in an oncogene being inactivated, for example.

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