

Method for Site-specific Integration of Nucleic Acids and Related Products

Inventors:

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Applications:

Gene Therapy

Useful for facilitating the identification (i.e., location and isolation) of desired genes.

The invention relates to chimeric proteins useful for targeting and integrating donor nucleic acids at specific locations on target nucleic acids. The invention proteins are also useful for facilitating the identification (i.e., location and isolation) of desired genes. Also provided are nucleic acid constructs encoding invention chimeric proteins, recombinant retroviruses comprising such nucleic acid constructs and methods for site specific control of donor nucleic acid integration into target nucleic acid. Recombinant retroviruses of the invention are useful as attenuated viral vaccines or as vectors for gene therapy methods.

References:

Proc. Natl. Acad. Sci. USA 91: 9233-9237

Journal of Virology 71: 458-464

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