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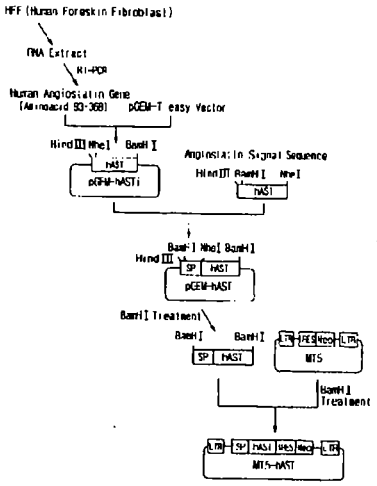
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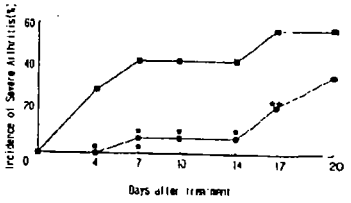
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(54) Title: COMPOSITIONS FOR GENE THERAPY OF RHEUMATOID ARTHRITIS INCLUDING A GENE ENCODING AN ANTI-ANGIOGENIC PROTEIN OR PARTS THEREOF





(57) Abstract: The present invention relates to the compositions for a gene therapy of rheumatoid arthritis including a gene encoding an anti-angiogenic protein or parts thereof. More specifically, the present invention provides a gene therapy of rheumatoid arthritis by preparing a recombinant vector that expresses a gene encoding an anti-angiogenic protein such as angiostatin or parts thereof, and transplanting the recombinant vector or a cell that is transfected or transduced with the recombinant vector into the affected area of a patient, and also provides the compositions for the gene therapy. The compositions for the gene therapy according to the present invention can be used effectively for the treatment of rheumatoid arthritis, for which effective treating methods have not been developed until now, by providing the anti-angiogenic proteins into the knee of a patient continuously to prevent the synovial tissue hyperplasia and the resulting inflammation.

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