

Title (en)

DNA VACCINATION AGAINST CHOLESTEROL ESTER TRANSFER PROTEIN IN THE TREATMENT OF ATHEROSCLEROSIS

Title (de)

DNS-IMPfung GEGEN CHOLESTERYL-ESTER-TRANSFER-PROTEIN ZUR BEHANDLUNG DER ATHEROSKLEROSE

Title (fr)

VACCINATION A BASE D'ADN CONTRE LA PROTEINE DE TRANSFERT D'ESTER DE CHOLESTEROL DANS LE TRAITEMENT DE L'ATHEROSCLEROSE

Publication

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Application

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Abstract (en)

[origin: WO9915655A1] A process for inducing the production of antibodies that bind to cholesteryl ester transfer protein (CETP) is disclosed. That process comprises the steps of: (a) immunizing a mammal with an inoculum containing a recombinant DNA molecule that comprises a DNA sequence that contains (i) a sequence encoding a CETP immunogen that is linked to (ii) a promoter sequence that controls expression of the CETP immunogen, the recombinant DNA molecule being dissolved or dispersed in a vehicle; and (b) maintaining the immunized mammal for a time period sufficient to induce the production of antibodies that bind to CETP, and preferably lessen the transfer of cholesteryl esters from HDL where the blood of the mammal itself contains CETP. Immunogens, inocula, DNA segments, and recombinant DNA molecule vectors useful for carrying out the invention are also disclosed.

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