

ABSTRACT

The present disclosure relates to cells for intravascular transplantation having hemocompatibility in which the blood coagulation mechanism and thrombosis reaction are inhibited by artificially modifying the F3 gene encoding CD142 that is an initiator of blood coagulation, using gene scissors technology to reduce or suppress the expression or activity of CD142, a method of producing the same, and a use thereof for preventing or treating liver disease and diabetes.