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(54) Title: PRODUCTION OF RECOMBINANT BLOOD CLOTTING FACTORS IN HUMAN CELL LINES

(57) Abstract: The present invention relates to an improved method for the production of recombinant human blood clotting factors, in particular of factor VIII and factor IX, utilizing an immortalized human cell line stably expressing viral transcription activator proteins and carrying a vector having a promoter functionally linked to a DNA sequence coding for a blood coagulating factor, provided that said promoter is not a viral promoter which is stimulated by said viral transcription activator proteins; an immortalized human cell line carrying said vector; factor VIII muteins particularly suitable for the above production method; pharmaceutical compositions comprising such factor VIII muteins and the use of such factor VIII muteins for preparing a medicament for treating hemophilia.