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ABSTRACT

A DNA sequence coding for a biologically active recombinant human factor VIII derivative, comprising a first DNA segment coding for the 90 kDa chain of human factor VIII and a second DNA segment coding for the 80 kDa chain of human factor VIII, said segments being interconnected by a linker DNA segment coding for a linker peptide of 4 to about 100 amino acid residues of the B domain of human factor VIII, at least 4 of said amino acid residues originating from the C terminal of said domain;

recombinant expression vector comprising such DNA sequence;

host cells of animal origin transformed with such recombinant expression vector;

a process for the manufacture of recombinant human factor VIII derivative; and

human factor VIII derivative containing the heavy chain and the light chain linked by metal ion bond.

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