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Isolation of Recombinant Human Antithrombin Isoforms by Cellufine Sulfate Affinity Chromatography

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ABSTRACT

Human antithrombin (hAT) is a major serine protease inhibitor that regulates blood coagulation in human plasma and has been applied for the treatment of antithrombin (AT) deficiency and disseminated intravascular coagulation (DIC). In the past, hAT for therapeutic use has been obtained from human plasma; however, hAT can now be sourced from transgenic animals and Chinese hamster ovary (CHO) cells by recombinant technology. The dominant form of hAT in plasma is the α form, which is

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