

Title (en)
IMPROVED PROTEIN C MOLECULES AND METHOD FOR MAKING AND ACTIVATING SAME

Publication
EP 0380508 A4 19910403 (EN)

Application
EP 88907471 A 19880617

Priority
• US 8802083 W 19880617
• US 5136687 A 19870518

Abstract (en)
[origin: WO8912685A1] A method of producing recombinant human Protein C, the method including providing a vector including a DNA sequence encoding human Protein C under the transcriptional control of an eukaryotic metallothionein promoter, the vector further including at least the 69 % transforming region of the bovine papilloma virus; transfecting host eukaryotic cells with the vector; adhering the transfected cells to carrier particles; culturing the carrier particle-bound cells in culture medium to produce the recombinant Protein C; and isolating the recombinant Protein C from the culture medium or the cells. The Protein C is ideally activated by contacting same with thrombin bound to Sepharose beads in low salt concentration. Protein C produced by C127 cells following the above method are unique in that they possess an alpha -1-3 galactose linkage embueing the protein with longer in vivo half-life.

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C12N 15/00

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
• [Y] EP 0323149 A2 19890705 - LILLY CO ELI [US]
• [Y] EP 0245949 A2 19871119 - LILLY CO ELI [US]
• [Y] EP 0247843 A2 19871202 - LILLY CO ELI [US]
• [Y] PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE USA, vol. 81, no. 16, August 1984, pages 5086-5090, Washington, US; R. FUKUNAGA et al.: "Constitutive production of human interferons by mouse cells with bovine papillomavirus as a vector"
• See references of WO 8912685A1

Designated contracting state (EPC)
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