



[12] Patent

[11] Patent No.: GC 0000172	Number of the Decision to Grant the Patent: 5/206
[45] Date of Publishing the Grant of the Patent: 29/03/2006 5/2006	Date of the Decision to Grant the Patent: 15/03/2005
[21] Application No.: GCC/P/1999/147 [22] Filing Date: 08/05/1999 [30] Priority: [31] Priority No. [32] Priority date [33] State 60/084649 07/05/1998 US [72] Inventors: 1- Douglas A. Treco, 2- Michael W. Heartlein, 3- Richard F. Selden [73] Owner: Transkaryotic Therapies Inc., 195 Albany Street, Cambridge, Massachusetts 02139, USA [74] Agent: Suleiman Ibrahim Al-Ammar	[51] Int. Cl. <sup>7</sup> : C12N 15/85, 15/27, 5/16; C07K 14/535; A61K 48/00 [56] Cited Documents: - WO 86/03225 A (SCHERING BIOTECH CORPORATION) 05 June 1986 - "Advance in current research of human GM-CSF gene in the regulation of expression", (SHEN et al.), CA Accession No. 122:206186, 1994

[54] GENOMIC SEQUENCES FOR PROTEIN PRODUCTION AND DELIVERY

[57] Abstract: An isolated nucleic acid molecule that hybridizes under stringent conditions, or shares at least 80% sequence identity, with a defined genomic region upstream of the coding region of the G-CSF gene, and a DNA construct containing that DNA molecule as a targeting sequence for homologous recombination.

No. of claims: 34

No. of figures: 7

