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(54) Title: METHODS AND COMPOSITIONS FOR USE IN SELECTIVELY PRODUCING A PROTEIN IN TELOMERASE EXPRESSING CELLS

(57) Abstract: Methods and compositions for use in selectively expressing a protein in a telomerase expressing cell are provided. In the subject methods, an expression cassette comprising a Site C repressor site and a coding sequence for the protein is introduced into the target telomerase expressing cell, e.g., by administering the expression cassette to a host that includes the target cell. The protein may be a therapeutic or diagnostic protein. The subject methods find use in a variety of different applications, and are particularly suited for use in diagnostic and therapeutic applications, e.g., of cellular proliferative disease conditions.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/25759

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12Q 1/68; C07H 21/02, 21/04; A61K 38/17, 48/00, C12N 15/00, 15/63

US CL : 435/6, 69.1, 252.3, 455, 320.1; 514/44; 536/23.1, 23.5, 24.1, 24.5

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/6, 69.1, 252.3, 455, 320.1; 514/44; 536/23.1, 23.5, 24.1, 24.5

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,972,605 A (VILLEPONTEAU et al) 26 October 1999 (26.10.1999), columns 4, 7 and 20.	1-63
A	YU-SHENG CONG et al. The human telomerase catalytic subunit hTERT: organization of the gene and characterization of the promoter. Human Molecular Genetics. 1999, Vol. 8, No. 1, pages 137-142, especially pages 139-140.	1-63

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:		
"A" document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

PCT/US02/25759

Continuation of B. FIELDS SEARCHED Item 3:

DIALOG: MEDLINE, CA, BIOSIS, EMBASE, SCISEARCH; WEST: US, EP, JP, WO Patents; GenBank, EMBL, n-geneseq
Search terms: SEQ ID NO: 1-4; telomerase or TERT or hTERT, promoter or regulatory region or repressor or site C, cancer or
neoplastic or tumor, expression vector or expression cassette