Title: PROPHYLACTIC AND THERAPEUTIC USES OF FGF-20 IN RADIATION PROTECTION

Abstract: The present invention relates to methods of stimulating stem cell proliferation and engraftment, and methods of preventing and/or treating disorders associated with radiation exposure, chemotherapy, exposure to chemical/biological warfare agents, and/or any other insults affecting rapidly proliferating tissues in a body, or one or more symptoms thereof. In particular, the present invention provides methods of stimulating stem cell proliferation and/or engraftment and methods of preventing and/or treating disorders associated with one or more insults affecting rapidly proliferating tissues in a body (e.g., radiation exposure, chemical and/or biological insults) or one or more symptoms thereof by administering to a subject a composition comprising a Fibroblast Growth Factor 20 (FGF-20) protein, or its fragments, derivatives, variants, homologs, analogs, or a combination thereof.
INTERNATIONAL SEARCH REPORT

PCT/US05/10732

A. CLASSIFICATION OF SUBJECT MATTER
IPC: A61K 38/18(2006.01)
C07K 14/475(2006.01),14/50(2006.01)

USPC: 514/2,12
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.: 514/2, 12

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
none

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

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>WO 01/07595 A2 (CURAGEN CORP.) 01 February 2001 (01.02.01), see pages 21, 30, 61 and 73.</td>
<td>1-45</td>
</tr>
<tr>
<td>Y</td>
<td>WO 01/72957 (ITO, Nobuyuki) 04 October 2001 (04.10.01), see pages 83-84.</td>
<td>1-45</td>
</tr>
<tr>
<td>Y</td>
<td>US 6,077,692 (RUBEN et al.) 20 June 2000, see column 4, second paragraph.</td>
<td>1-45</td>
</tr>
</tbody>
</table>

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
  - "E" earlier application or patent published on or after the international filing date
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Date of the actual completion of the international search
23 June 2008 (23.06.2008)

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Form PCT/ISA/210 (second sheet) (April 2007)
Continuation of B. FIELDS SEARCHED Item 3:
Sequence Search, Biosis, Embase, Medline
search terms: FGFR, FGFR-CX, radiation, hematopoesis, proliferation