

Title (en)

HUMAN G-CSF ANALOGS AND METHODS OF MAKING AND USING THEREOF

Title (de)

ANALOGA VON HUMANEM G-CSF UND VERFAHREN ZUR HERSTELLUNG UND ANWENDUNG DAVON

Title (fr)

ANALOGUE DU G-CSF HUMAIN ET SES PROCÉDÉS DE FABRICATION ET D'UTILISATION

Publication

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Application

**EP 08782147 A 20080721**

Priority

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- US 12002208 A 20080513

Abstract (en)

[origin: WO2009139784A1] An analog of human granulocyte colony stimulating factor (hG-CSF analog) is disclosed. The hG-CSF analog comprises an amino acid sequence that differs from the wild-type hG-CSF sequence at position 17 and at least one other position, and is capable of preventing trophoblast cell apoptosis. Also disclosed is pharmaceutical compositions comprising the hG-CSF analog, polynucleotides encoding the hG-CSF analog, expression vectors containing the polynucleotides, host cells containing the expression vectors, as well as a method for preventing spontaneous abortion using the hG-CSF analog.

IPC 8 full level

**C07K 14/535** (2006.01); **C07K 1/107** (2006.01); **C12N 15/27** (2006.01)

CPC (source: EP)

**C07K 14/535** (2013.01); **A61K 38/00** (2013.01)

Citation (search report)

- [I] WO 2005039505 A2 20050506 - NORA LLC [US], et al
- [Y] WO 0104329 A1 20010118 - HANMI PHARM IND CO LTD [KR], et al
- [Y] EP 0459630 A2 19911204 - ICI PLC [GB]
- See references of WO 2009139784A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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