

Title (en)  
GENETICALLY MODIFIED FIBROBLAST CELL

Title (de)  
GENETISCH VERÄNDERTE FIBROBLASTENZELLEN

Title (fr)  
FIBROBLASTE GENETIQUEMENT MODIFIE

Publication  
**EP 1248835 A2 20021016 (DE)**

Application  
**EP 01909465 A 20010112**

Priority  
• DE 0100131 W 20010112  
• DE 10011926 A 20000114

Abstract (en)  
[origin: WO0151619A2] Disclosed are genetically modified fibroblast cells having the following characteristics: (a) A gene of the genome thereof is inactivated and/or a component of the signal transduction path is modified by means of a sequence of a modified AP-1 activity, said gene coding for a subunit of the transcription factor AP-1 and said component acting on the transcription factor AP-1. (b) The inventive fibroblast cell contains the gene of (a) in an expression vector and functionally combined with a promoter and in such a form that the active subunit is only expressed after induction of the promoter or the subunit that is coded by the gene is present in the inactive form and can be activated. The invention also relates to a method using the inventive fibroblast cell for identifying a compound that can promote, inhibit or modify the AP-1 dependent differentiation and/or proliferation of keratinocytes or for identifying a gene that takes part in the AP-1 dependent differentiation and/or proliferation of keratinocytes. The invention further relates to the use of the test compound or gene that has been identified by means of the inventive method, for treating or diagnosing diseases which are associated to a disturbed proliferation and/or differentiation of keratinocytes.

IPC 1-7  
**C12N 5/10**; **C12Q 1/02**; **C12Q 1/68**; **A61K 39/395**; **A61K 48/00**; **A61P 17/00**

IPC 8 full level  
**C12N 5/10** (2006.01); **C12N 15/09** (2006.01); **A61K 39/395** (2006.01); **A61K 45/00** (2006.01); **A61K 48/00** (2006.01); **A61P 17/00** (2006.01); **A61P 17/02** (2006.01); **A61P 17/06** (2006.01); **A61P 29/00** (2006.01); **A61P 35/00** (2006.01); **A61P 43/00** (2006.01); **C12N 5/077** (2010.01); **C12N 5/18** (2006.01); **C12Q 1/02** (2006.01); **C12Q 1/68** (2006.01)

CPC (source: EP US)  
**A61P 17/00** (2017.12 - EP); **A61P 17/02** (2017.12 - EP); **A61P 17/06** (2017.12 - EP); **A61P 29/00** (2017.12 - EP); **A61P 35/00** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **C12N 5/0656** (2013.01 - EP US); **A61K 48/00** (2013.01 - EP US); **C12N 2503/02** (2013.01 - EP US); **C12N 2510/00** (2013.01 - EP US); **G01N 2500/10** (2013.01 - EP US)

Citation (search report)  
See references of WO 0151619A2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**WO 0151619 A2 20010719**; **WO 0151619 A3 20020214**; AU 3721501 A 20010724; CA 2396996 A1 20010719; DE 10011926 A1 20010802; EP 1248835 A2 20021016; JP 2003519487 A 20030624; US 2003109474 A1 20030612; US 6846674 B2 20050125

DOCDB simple family (application)  
**DE 0100131 W 20010112**; AU 3721501 A 20010112; CA 2396996 A 20010112; DE 10011926 A 20000114; EP 01909465 A 20010112; JP 2001551193 A 20010112; US 19600002 A 20020715