

Title (en)

TRANSGENIC MOUSE FOR TARGETED RECOMBINATION MEDIATED BY MODIFIED CRE-ER

Title (de)

TRANSGENE MAUS ZUR GEZIELTEN REKOMBINATION VERMITTELT DURCH VERÄNDERTES CRE-ER

Title (fr)

SOUSRIS TRANSGENIQUE POUR RECOMBINAISON CIBLEE A MEDIATION PAR CRE-ER MODIFIE

Publication

EP 1322152 A2 20030702 (EN)

Application

EP 01986247 A 20010928

Priority

- FR 0012570 A 20001003
- IB 0102246 W 20010928
- US 85303301 A 20010511

Abstract (en)

[origin: WO0228175A2] The present invention relates to a metazoan organism, with the exception of humans, and in particular a mouse, characterized in that at least one cell of this organism comprises at least one fusion protein between a recombinase Cre and a modified ligand binding domain of the nuclear estrogen receptor alpha, allowing the inactive fused recombinase to be induced by synthetic antiestrogens, but not by natural estrogens, and one or more DNA sequences of interest belonging to the genome of said organism into which one or more sites of recognition of said recombinase protein are inserted. The invention also covers the methods using said organism for the screening of medicaments, the mutagenesis and the analysis of the biological function of the DNA sequence(s) of interest, in particular of gene(s) of interest, such as RXR alpha .

IPC 1-7

A01K 67/027; C12N 9/00; C07K 14/72; C12N 15/62; C07K 14/47; C12N 15/63; C07K 14/81; C07K 14/705; A61K 49/00

IPC 8 full level

C07K 14/47 (2006.01); **C07K 14/705** (2006.01); **C07K 14/72** (2006.01); **C07K 14/81** (2006.01); **C12N 9/00** (2006.01); **C12N 15/63** (2006.01); **C12N 15/85** (2006.01)

CPC (source: EP)

A01K 67/0276 (2013.01); **C07K 14/4702** (2013.01); **C07K 14/4741** (2013.01); **C07K 14/70567** (2013.01); **C07K 14/721** (2013.01); **C07K 14/8125** (2013.01); **C12N 9/00** (2013.01); **C12N 15/63** (2013.01); **C12N 15/85** (2013.01); **C12N 15/8509** (2013.01); **A01K 2217/075** (2013.01); **A01K 2217/20** (2013.01); **A01K 2227/105** (2013.01); **A01K 2267/03** (2013.01); **A01K 2267/0331** (2013.01); **A01K 2267/0362** (2013.01); **A01K 2267/0368** (2013.01); **C07K 2319/00** (2013.01); **C12N 2800/30** (2013.01); **C12N 2830/008** (2013.01); **C12N 2830/85** (2013.01)

Citation (search report)

See references of WO 0228175A2

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 0228175 A2 20020411; **WO 0228175 A3 20030109**; **WO 0228175 A9 20031030**; EP 1322152 A2 20030702

DOCDB simple family (application)

IB 0102246 W 20010928; EP 01986247 A 20010928