

Title (en)

CORE 1B3-GALACTOSYL TRANSFERASES AND METHODS OF USE THEREOF

Title (de)

1B3-GALACTOSYL TRANSFERASE UND DEREN VERWENDUNG

Title (fr)

\$G(B)3-GALACTOSYLE TRANSFERASES DE COEUR 1 ET PROCEDES D'UTILISATION ASSOCIES

Publication

EP 1240334 A2 20020918 (EN)

Application

EP 00990216 A 20001214

Priority

- US 0033945 W 20001214
- US 46403599 A 19991215
- US 46132199 A 19991215

Abstract (en)

[origin: WO0144478A2] Core 1 beta 3-galactosyl transferases and nucleic acids encoding the core (1) beta 3-galactosyl transferases are described. The enzymes and the nucleic acids encoding said enzymes have been identified in human, rat, mouse *D. melanogaster* and *C. elegans*. The polypeptides exhibit a wide range of homologies. The polynucleotides can be used to transform or transfect host cells for producing substantially pure forms of the enzyme, or for use in an expression system for post-translational core (1) *O*-linked glycosylation of proteins or peptides produced within the expression system. The enzymes can be used to galactosylate, via a beta 3-linkage, an N-acetylgalactosamine linked to a serine, threonine or other *O*-linking amino acid on peptides or proteins requiring *O*-linked glycosylation.

IPC 1-7

C12N 15/54; **C12N 9/10**; **C12P 21/02**

IPC 8 full level

C12N 1/15 (2006.01); **C12N 1/19** (2006.01); **C12N 1/21** (2006.01); **C12N 5/10** (2006.01); **C12N 9/10** (2006.01); **C12N 15/09** (2006.01); **C12N 15/54** (2006.01); **C12P 19/18** (2006.01)

CPC (source: EP)

C12N 9/1051 (2013.01); **C12P 19/18** (2013.01)

Citation (search report)

See references of WO 0144478A2

Designating 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 0144478 A2 20010621; **WO 0144478 A3 20020131**; **WO 0144478 A9 20020711**; AU 2727301 A 20010625; CA 2396654 A1 20010621; EP 1240334 A2 20020918; HK 1048140 A1 20030321; JP 2003527103 A 20030916; MX PA02005953 A 20030128

DOCDB simple family (application)

US 0033945 W 20001214; AU 2727301 A 20001214; CA 2396654 A 20001214; EP 00990216 A 20001214; HK 03100430 A 20030117; JP 2001545555 A 20001214; MX PA02005953 A 20001214