

Title (en)
NON-MELANOCYTIC, EUKARYOTIC CELL CONSTITUTIVELY EXPRESSING BIOLOGICALLY ACTIVE HUMAN TYROSINASE AND USE THEREOF.

Title (de)
NICHT-MELANOZYTISCHE, EUKARYOTISCHE ZELLE, DIE BIOLOGISCH AKTIVE MENSCHLICHE TYROSINASE KONSTITUTIV EXPRIMIERT UND DEREN VERWENDUNG.

Title (fr)
CELLULE EUKARYOTE NON MELANOCYTIQUE EXPRIMANT DE MANIERE CONSTITUTIVE LA TYROSINASE HUMAINE BIOLOGIQUEMENT ACTIVE, ET SON UTILISATION.

Publication
EP 0507772 A4 19920611 (EN)

Application
EP 90907793 A 19900426

Priority
US 34396089 A 19890426

Abstract (en)
[origin: WO9012869A1] This invention provides a non-melanocytic eucaryotic cell constitutively expressing biologically active human tyrosinase. The present invention also provides methods of producing biologically active human tyrosinase. Additionally, the invention provides a non-melanocytic eucaryotic cell which constitutively expresses biologically active human tyrosinase which in turn catalyzes the production of melanin. The melanin so produced may then be recovered.

IPC 1-7
C12N 5/06; C12N 5/10; C12N 15/00; C12N 15/09; C12P 21/00; C12P 21/02

IPC 8 full level
C12N 1/19 (2006.01); **C12N 5/10** (2006.01); **C12N 9/02** (2006.01); **C12N 15/09** (2006.01); **C12N 15/866** (2006.01); **C12P 17/00** (2006.01); **C12P 17/18** (2006.01); **C12P 21/02** (2006.01); **C12R 1/91** (2006.01)

CPC (source: EP)
C12N 9/0071 (2013.01); **C12N 15/86** (2013.01); **C12P 17/00** (2013.01); **C12Y 114/18001** (2013.01); **C12N 2710/14143** (2013.01)

Citation (search report)

- [Y] WO 8802372 A1 19880407 - GUTHRIE DONALD FOUND MED RES [US]
- [Y] NUCLEIC ACIDS RESEARCH. vol. 14, no. 6, 25 March 1986, ARLINGTON, VIRGINIA US pages 2413 - 2427; SHIBAHARA, S. ET AL.: 'Cloning and expression of cDNA encoding mouse tyrosinase'
- [A] TOHOKU JOURNAL OF EXPERIMENTAL MEDICINE vol. 156, no. 4, December 1988, SENDAI, JP pages 403 - 414; SHIBAHARA, S. ET AL.: 'Molecular basis for the heterogeneity of human tyrosinase'
- See references of WO 9012869A1

Cited by
US6613281B2

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 9012869 A1 19901101; CA 2054709 A1 19901027; EP 0507772 A1 19921014; EP 0507772 A4 19920611; JP H04505249 A 19920917

DOCDB simple family (application)
US 9002288 W 19900426; CA 2054709 A 19900426; EP 90907793 A 19900426; JP 50711790 A 19900426