

Title (en)

MOSS GENES FROM PHYSCOMITRELLA PATENS ENCODING PROTEINS INVOLVED IN THE SYNTHESIS OF TOCOPHEROLS, CAROTENOIDS AND AROMATIC AMINO ACIDS

Title (de)

GENE DES MOOSES PHYSCOMITRELLA PATENS, DIE FÜR PROTEINE DER TOCOPHEROLBIOSYNTHESE, DER CAROTINOIDBIOSYNTHESE UND DER BIOSYNTHESE DER AROMATISCHEN AMINOSÄUREN KODIEREN

Title (fr)

GENES DE MOUSSE DE PHYSCOMITRELLA PATENS CODANT POUR DES PROTEINES IMPLIQUEES DANS LA SYNTHÈSE DE TOCOPHEROLS ET DE CAROTENOÏDES

Publication

EP 1244696 A2 20021002 (EN)

Application

EP 00983319 A 20001214

Priority

- EP 0012698 W 20001214
- US 17112199 P 19991216

Abstract (en)

[origin: WO0144276A2] Isolated nucleic acid molecules, designated TCMRP nucleic acid molecules, which encode novel TCMRPs from e.g. *Physcomitrella patens* are described. The invention also provides antisense nucleic acid molecules, recombinant expression vectors containing TCMRP nucleic acid molecules, and host cells into which the expression vectors have been introduced. The invention still further provides isolated TCMRPs, mutated TCMRPs, fusion proteins, antigenic peptides and methods for the improvement of production of a desired compound from transformed cells, organisms or plants based on genetic engineering of TCMRP genes in these organisms.

IPC 1-7

C07K 14/415; **C12N 9/88**; **C12N 15/82**; **C07K 16/16**

IPC 8 full level

C12N 9/10 (2006.01); **C12N 15/52** (2006.01); **C12N 15/82** (2006.01)

CPC (source: EP)

C12N 9/1007 (2013.01); **C12N 15/52** (2013.01); **C12N 15/8243** (2013.01); **C12N 15/825** (2013.01)

Citation (search report)

See references of WO 0144276A2

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 0144276 A2 20010621; **WO 0144276 A3 20011108**; AR 026983 A1 20030305; AU 2009801 A 20010625; BR 0016432 A 20020917; CA 2394414 A1 20010621; EP 1244696 A2 20021002

DOCDB simple family (application)

EP 0012698 W 20001214; AR P000106693 A 20001215; AU 2009801 A 20001214; BR 0016432 A 20001214; CA 2394414 A 20001214; EP 00983319 A 20001214