

Title (en)

GALACTOSYLTRANSFERASE FROM PLANTS INVOLVED IN GALACTOMANNAN BIOSYNTHESIS

Title (de)

GALACTOSYLTRANSFERASE AUS PFLANZEN DIE IN DER BIOSYNTHESE VON GALACTOMANNAN BETEILIGT IST

Title (fr)

GALACTOSYLTRANSFERASE DES PLANTES INTERVENENT DANS LE BIOSYNTHESE DU GALACTOMANNAN

Publication

EP 1086208 A2 20010328 (EN)

Application

EP 99923746 A 19990521

Priority

- GB 9901610 W 19990521
- GB 9810997 A 19980521

Abstract (en)

[origin: WO9960103A2] Provided are genes encoding enzymes (e.g. galactosyltransferases from fenugreek and guar) which have a role in the biosynthesis of complex non-cellulosic cell wall polysaccharides such as galactomannan. Variants and other products based on the genes are also provided, as are antibodies to the enzymes, plus also methods of isolating or preparing any of these. Also disclosed are vectors and other methods and materials which may be used for cloning the genes (or related nucleic acids e.g. anti-sense versions) into hosts such as transgenic plants having modified polysaccharides. Further disclosed are products, compositions and methods employing these plants and polysaccharides.

IPC 1-7

C12N 9/00

IPC 8 full level

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

CPC (source: EP)

C12N 9/1051 (2013.01); **C12N 15/8246** (2013.01)

Citation (search report)

See references of WO 9960103A2

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)

WO 9960103 A2 19991125; **WO 9960103 A3 20000302**; AU 4050999 A 19991206; EP 1086208 A2 20010328; GB 9810997 D0 19980722

DOCDB simple family (application)

GB 9901610 W 19990521; AU 4050999 A 19990521; EP 99923746 A 19990521; GB 9810997 A 19980521