

Title (en)
YEAST CLONING VEHICLE.

Title (de)
KLONIERUNGSVEKTOR FÜR HEFE.

Title (fr)
VEHICULE DE CLONAGE DE LEVURE.

Publication
EP 0188555 A4 19880418 (EN)

Application
EP 85903625 A 19850709

Priority
US 62920384 A 19840709

Abstract (en)
[origin: WO8600637A1] A cloning vehicle with yeast transcription control sequence and a yeast signal sequence placed in correct reading frame and transcripion direction with respect to an exogenous DNA sequence coding for a desired protein. In a particular aspect, the transcription and signal sequences are substantially identical to those of the naturally occurring PHO5 gene, and the signal sequence codes for a signal peptide that has the same three carboxy terminal amino acids as the PHO5 signal peptide. The vehicle is used to transform a yeast host which secretes the desired protein. The vehicle can be made by ligating the exogenous DNA to a DNA fragment having a restriction endonuclease cleavage site that has been inserted at the three 3' end of the signal sequence, with no extraneous base pairs therebetween; alternatively, where G is permitted as the 5' end base pair of the exogenous DNA, the vehicle can be made by ligating the exogenous DNA, minus the base at its 5' end to a DNA fragment where a single G base has been positioned between the 3' end of the signal sequence and the exogenous DNA sequence.

IPC 1-7
C12N 1/00; C07H 21/04; C12N 15/00; C12P 19/34; C12P 21/00

IPC 8 full level
C07K 14/59 (2006.01); **C12N 15/00** (2006.01); **C12N 15/09** (2006.01); **C12N 15/62** (2006.01); **C12N 15/81** (2006.01); **C12P 21/00** (2006.01); C12R 1/865 (2006.01)

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Citation (search report)

- [XP] EP 0143081 A2 19850529 - CIBA GEIGY AG [CH]
- [XP] EP 0116201 A1 19840822 - CHIRON CORP [US]
- See references of WO 8600637A1

Designated contracting state (EPC)
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