

Title (en)

PRODUCTION OF MERSACIDIN AND ITS VARIANTS IN SIGH AND/OR MRSA NEGATIVE BACILLUS HOST CELLS

Title (de)

PRODUKTION VON MERSACIDIN UND SEINEN VARIANTEN IN SIGH- UND/ODER MRSA-NEGATIVEN BACILLUS-WIRTSZELLEN

Title (fr)

PRODUCTION DE MERSACIDINE ET SES VARIANTS DANS DES CELLULES HOTES NEGATIVES DE BACILLUS SIGH ET/OU MRSA

Publication

**EP 1794298 A2 20070613 (EN)**

Application

**EP 05729379 A 20050321**

Priority

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- GB 0406870 A 20040326

Abstract (en)

[origin: WO2005093069A2] The present invention relates to methods and products for improved production of the lantibiotic mersacidin. There is provided a method of producing a mersacidin variant which comprises introducing into a cell which is a negative MrsA host cell an expression vector encoding said variant, and recovering said variant from the cell culture. Preferred variants include the novel variants mersacidin F3W, mersacidin G8A and mersacidin F3W G8A. Also provided is a Bacillus cell which is a SigH deficient strain of Bacillus sp. HIL Y-85,54728 (NCIMB Accession Number NCIMB 41211); this cell may also be used in the production of mersacidin and its variants. Further aspects of the invention include a DNA cassette which comprises a nucleotide sequence encoding the mersacidin mrsA propeptide, and a method to transform a Bacillus HIL host cell with plasmid, which method includes the step of electroporation.

IPC 8 full level

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See references of WO 2005093069A2

Citation (examination)

WO 2007036706 A1 20070405 - NOVACTA BIOSYSTEMS LTD [GB], et al

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