

Title (en)
NUCLEOTIDE SEQUENCES OF CORYNEFORM BACTERIA CODING FOR PROTEINS INVOLVED IN L-SERINE METABOLISM AND METHOD FOR PRODUCING L-SERINE

Title (de)
NUKLEOTIDSEQUENZEN CORYNEFORMER BAKTERIEN CODIEREND FÜR AM L -SERINSTOFFWECHSEL BETEILIGTE PROTEINE SOWIE VERFAHREN ZUR MIKROBIELLEN HERSTELLUNG VON L-SERIN

Title (fr)
SEQUENCES DE NUCLEOTIDES DE BACTERIES DE FORME CORYNEENNE CODANT DES PROTEINES INTERVENANT DANS LE METABOLISME DE LA L-SERINE ET PROCEDES DE PRODUCTION DE L-SERINE

Publication
EP 1601773 A2 20051207 (DE)

Application
EP 04710333 A 20040212

Priority
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Abstract (en)
[origin: DE10311399A1] Nucleic acid (I), optionally recombinant and replicable in Corynebacterium, has the sequence for L-serine dehydratase (II): (a) partly or completely deleted or mutated; or (b) expressed at a lower level, relative to the natural sequence, or not at all. Independent claims are also included for: (1) gene structure (GS) comprising (I) and linked regulatory elements; (2) vector containing (I) or GS, also sequences for selection, replication in a host cell or integration into the host cell genome; (3) (II) with reduced activity, encoded by (I); (4) microorganism that contains (I); (5) probe for identification and/or isolation of genes that encode proteins involved in biosynthesis of L-serine, derived from (I) and labeled to allow detection; and (6) microbial production of L-serine by growing microorganisms of (4).

IPC 1-7
C12N 15/60; C12N 9/88; C12P 13/06; C12N 1/21

IPC 8 full level
C12N 1/21 (2006.01); **C12N 9/88** (2006.01); **C12N 15/53** (2006.01); **C12N 15/60** (2006.01); **C12P 13/06** (2006.01)

CPC (source: EP KR US)
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