

Title (en)
BACTERIAL ELASTIN BINDING PROTEIN, NUCLEIC ACID SEQUENCE ENCODING SAME AND DIAGNOSTIC AND THERAPEUTIC METHODS OF USE THEREOF

Title (de)
ELASTIN-BINDEPROTEIN AUS BAKTERIEN, NUKLEINSÄUREN DAFÜR KODIEREND SOWIE THERAPEUTISCHE METHODEN

Title (fr)
PROTEINES D'ORIGINE BACTERIENNE DE FIXATION SUR L'ELASTINE, SEQUENCES D'ACIDE NUCLEIQUE CODANT LADITE PROTEINE ET PROCEDES DIAGNOSTIQUES ET THERAPEUTIQUES D'UTILISATION DE CETTE PROTEINE

Publication
EP 0942982 A1 19990922 (EN)

Application
EP 97914810 A 19970228

Priority
• US 9703106 W 19970228
• US 60913496 A 19960229

Abstract (en)
[origin: WO9838312A1] A microbial surface component recognizing adhesive matrix molecules (MSCRAMM) is disclosed which is characterized by its ability to bind to elastin, its inhibited activity in the presence of SDS and its enhanced activity in the presence of thiol reductants. More particularly, the MSCRAMM is bacterial in origin and is a member of the family of elastin binding proteins. In one embodiment, the MSCRAMM comprises a polypeptide having an amino acid sequence defined herein as SEQ ID NO:2, and extends to active fragments thereof. The role of MSCRAMMs in bacterial infection and its sequelae and related conditions is noted and the MSCRAMM may be prepared and used in diagnostic procedures and tests, including drug discovery assays, as well as in pharmaceutical compositions applicable for corresponding therapeutic methods. Both agonists and antagonists of the MSCRAMM are proposed and illustrated.

IPC 1-7
C12N 15/31; **C07K 14/31**; **G01N 33/50**; **C07K 16/12**; **A61K 39/085**; **C12N 5/12**; **C12Q 1/68**; **C12N 1/21**; **C12N 1/19**; **C12N 5/10**

IPC 8 full level
G01N 33/50 (2006.01); **A61K 39/02** (2006.01); **A61K 39/395** (2006.01); **A61K 45/00** (2006.01); **A61P 31/04** (2006.01); **C07K 7/06** (2006.01); **C07K 14/31** (2006.01); **C07K 16/12** (2006.01); **C07K 16/18** (2006.01); **C12N 1/21** (2006.01); **C12N 5/10** (2006.01); **C12N 15/09** (2006.01); **C12N 15/31** (2006.01); **C12P 21/02** (2006.01); **C12P 21/08** (2006.01); **C12Q 1/68** (2006.01); **G01N 33/15** (2006.01); **G01N 33/569** (2006.01); **A61K 38/00** (2006.01); **C12R 1/38** (2006.01)

CPC (source: EP)
A61P 31/04 (2017.12); **C07K 14/31** (2013.01); **A61K 38/00** (2013.01)

Citation (search report)
See references of WO 9838312A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9838312 A1 19980903; AU 2192497 A 19980918; CA 2247072 A1 19980903; EP 0942982 A1 19990922; JP 2001505061 A 20010417

DOCDB simple family (application)
US 9703106 W 19970228; AU 2192497 A 19970228; CA 2247072 A 19970228; EP 97914810 A 19970228; JP 53569298 A 19970228