

Title (en)
CLONED STREPTOCOCCAL GENES ENCODING PROTEIN G AND THEIR USE TO CONSTRUCT RECOMBINANT MICROORGANISMS TO PRODUCE PROTEIN G.

Title (de)
KLONIERTE STREPTOKOKKENGENE, KODIEREND FÜR PROTEIN-G UND VERWENDUNG ZUR HERSTELLUNG REKOMBINANTER MIKROORGANISMEN ZUR ERZEUGUNG VON PROTEIN-G.

Title (fr)
GENES STREPTOCOCCYQUES CLONES CODANT LA PROTEINE G ET LEUR UTILISATION POUR CONSTRUIRE DES MICRO-ORGANISMES RECOMBINANTS PRODUISANT LA PROTEINE G.

Publication
EP 0293391 A4 19890621 (EN)

Application
EP 87901893 A 19870217

Priority
• US 82935486 A 19860214
• US 85488786 A 19860423

Abstract (en)
[origin: WO8705025A1] A cloned gene encoding protein G, or functionally active portions thereof, vectors containing the cloned gene, and microorganisms transformed by those vectors.

IPC 1-7
C07H 15/12; C07K 13/00; C12N 1/20; C12N 15/00; C12P 21/02

IPC 8 full level
C12N 15/09 (2006.01); **C07H 21/04** (2006.01); **C07K 14/00** (2006.01); **C07K 14/195** (2006.01); **C07K 14/315** (2006.01); **C07K 14/41** (2006.01); **C07K 14/705** (2006.01); **C12N 15/70** (2006.01); **C12N 15/75** (2006.01); **C12P 21/02** (2006.01); **C12R 1/19** (2006.01)

CPC (source: EP)
C07K 14/315 (2013.01); **C12N 15/70** (2013.01); **C12N 15/75** (2013.01)

Citation (search report)
• [XP] EP 0200909 A2 19861112 - EXCORIM KB [SE]
• [E] WO 8705631 A1 19870924 - PHARMACIA AB [SE]
• [XP] JOURNAL OF BACTERIOLOGY, vol. 167, no. 3, September 1986, pages 870-880, American Society for Microbiology; S.R. FAHNESTOCK et al.: "Gene for an immunoglobulin-binding protein from a group G streptococcus"
• [XP] EMBO JOURNAL, vol. 5, no. 7, 1986, pages 1567-1575, IRL Press Ltd, Oxford, GB; B. GUSS et al.: "Structure of the IgG-binding regions of streptococcal protein G"
• [XP] THE JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 261, no. 22, 5th August 1986, pages 10240-10247, The American Society of Biological Chemists, Inc, US; B. AKERSTROM et al.: "A physicochemical study of protein G, a molecule with unique immunoglobulin G-binding properties"
• [A] INFECTION AND IMMUNITY, vol. 34, December 1981, pages 851-855; C. SHEA et al.: "Examination of streptococcus mutans for immunoglobulin G Fc reactivity"
• [T] TRENDS IN BIOTECHNOLOGY, vol. 5, March 1987, pages 79-83, Elsevier Publications, Cambridge, GB; S.R. FAHNESTOCK: "Cloned streptococcal protein G genes"
• See references of WO 8705025A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 8705025 A1 19870827; EP 0293391 A1 19881207; EP 0293391 A4 19890621; JP H01502076 A 19890727

DOCDB simple family (application)
US 8700329 W 19870217; EP 87901893 A 19870217; JP 50156887 A 19870217