

Title (en)
CYTOKINE PRODUCTION

Publication
EP 0544719 A4 19940817 (EN)

Application
EP 91914480 A 19910813

Priority
• AU PK169890 A 19900813
• AU PK385990 A 19901211
• AU PK462191 A 19910215
• AU PK684091 A 19910621

Abstract (en)
[origin: WO9203574A1] A process for identifying nucleotide sequences coding for a polypeptide exhibiting specific ruminant cytokine or cytokine receptor activity or a fragment thereof, which process includes providing a vector including a complementary DNA (cDNA) sequence derived from ruminant cells or an extract thereof capable of being expressed in a unicellular organism; a unicellular organism; and a DNA probe for a homologous cytokine; introducing the vector into the said unicellular organism; culturing the organism to express a polypeptide encoded therein; probing the organism with the DNA probe; and isolating a vector containing a cDNA sequence encoding for a polypeptide exhibiting specific ruminant cytokine or cytokine receptor activity.

IPC 1-7
C12N 15/19

IPC 8 full level
C07K 14/52 (2006.01); **C07K 14/715** (2006.01); **C12N 15/19** (2006.01); **C12Q 1/68** (2006.01); **A61K 38/00** (2006.01)

CPC (source: EP)
C07K 14/52 (2013.01); **C07K 14/715** (2013.01); **C12Q 1/6876** (2013.01); **A61K 38/00** (2013.01); **C12Q 2600/158** (2013.01)

Citation (search report)
• [X] WO 8809382 A1 19881201 - IMMUNEX CORP [US]
• [X] S.R. LEONG ET AL: "The nucleotide sequence for the cDNA of bovine interleukin-1 alpha", NUCLEIC ACIDS RESEARCH, vol. 16, no. 18, September 1988 (1988-09-01), ARLINGTON, VIRGINIA US, pages 9053
• [PX] A. ANDREWS ET AL: "Molecular cloning and functional characterization of the ovine cytokines IL-1alpha, IL-1beta and TNFalpha", JOURNAL OF CELLULAR BIOCHEMISTRY, vol. 15F, April 1991 (1991-04-01), pages 123
• [T] C.E. FISKESTRAND ET AL: "Cloning, expression and characterization of ovine interleukins 1alpha and beta", CYTOKINE, vol. 4, no. 6, November 1992 (1992-11-01), pages 418 - 428
• See references of WO 9203574A1

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

DOCDB simple family (publication)
WO 9203574 A1 19920305; CA 2089389 A1 19920214; EP 0544719 A1 19930609; EP 0544719 A4 19940817; NZ 239373 A 19931026

DOCDB simple family (application)
AU 9100358 W 19910813; CA 2089389 A 19910813; EP 91914480 A 19910813; NZ 23937391 A 19910813