

Title (en)  
SECRETED ALPHA-HELICAL PROTEIN-31

Title (de)  
SEKRETIERTE ALPHA-HELIX PROTEIN

Title (fr)  
PROTEINE-31 A HELICE ALPHA SECRETEE

Publication  
**EP 1180147 A1 20020220 (EN)**

Application  
**EP 00939397 A 20000526**

Priority  
• US 0014795 W 20000526  
• US 13648599 P 19990528

Abstract (en)  
[origin: WO0073458A1] The present invention relates to polynucleotide and polypeptide molecules for mammalian secreted alpha helical protein-31 (alpha31). The polypeptides, and polynucleotides encoding them, are a novel four-helix bundle cytokine and may be used to regulate the functioning of the immune system. The present invention also includes antibodies to the Zalpha31 polypeptides.

IPC 1-7  
**C12N 15/19**; **C07K 14/52**; **C07K 16/24**; **C12N 15/62**; **G01N 33/68**; **C12N 5/10**

IPC 8 full level  
**C07K 14/52** (2006.01); **C07K 16/24** (2006.01); **C07K 19/00** (2006.01); **C12N 1/15** (2006.01); **C12N 1/19** (2006.01); **C12N 1/21** (2006.01); **C12N 5/10** (2006.01); **C12N 15/09** (2006.01); **C12N 15/19** (2006.01); **C12P 21/02** (2006.01); **C12Q 1/02** (2006.01); **G01N 33/15** (2006.01); **G01N 33/50** (2006.01); **G01N 33/53** (2006.01); **G01N 33/566** (2006.01)

CPC (source: EP)  
**C07K 14/52** (2013.01); **A01K 2217/05** (2013.01); **C07K 2319/00** (2013.01); **C12N 2799/022** (2013.01)

Citation (search report)  
See references of WO 0073458A1

Citation (examination)  
WO 0055320 A1 20000921 - HUMAN GENOME SCIENCES INC [US], et al

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

DOCDB simple family (publication)  
**WO 0073458 A1 20001207**; AU 5448700 A 20001218; CA 2374412 A1 20001207; EP 1180147 A1 20020220; JP 2003501033 A 20030114; MX PA01012181 A 20020722

DOCDB simple family (application)  
**US 0014795 W 20000526**; AU 5448700 A 20000526; CA 2374412 A 20000526; EP 00939397 A 20000526; JP 2001500770 A 20000526; MX PA01012181 A 20000526