

Title (en)  
IDENTIFICATION OF POLYNUCLEOTIDES ENCODING NOVEL \$i(HELICOBACTER) POLYPEPTIDES IN THE \$i(HELICOBACTER) GENOME

Title (de)  
IDENTIFICATION VON POLYNUKLEOTIDEN, DIE NEUE \$i(HELICOBACTER) POLYPEPTIDE IM \$i(HELICOBACTER) GENOM KODIEREN

Title (fr)  
IDENTIFICATION DE POLYNUCLEOTIDES CODANT DE NOUVEAUX POLYPEPTIDES \$i(HELICOBACTER) DANS LE GENOME  
\$i(HELICOBACTER)

Publication  
**EP 0977482 A1 20000209 (EN)**

Application  
**EP 98917972 A 19980401**

Priority

- US 9806371 W 19980401
- US 83345797 A 19970401
- US 88122797 A 19970624
- US 90261597 A 19970729

Abstract (en)  
[origin: WO9843478A1] The invention provides Helicobacter polypeptides that can be used in vaccination methods for preventing or treating Helicobacter infection, and polynucleotides that encode these polypeptides. The invention also provides diagnostic methods employing these polypeptides.

IPC 1-7  
**A01N 43/04; A61K 31/70**

IPC 8 full level  
**C12N 15/09** (2006.01); **A61K 31/7088** (2006.01); **A61K 35/76** (2006.01); **A61K 38/00** (2006.01); **A61K 45/00** (2006.01); **A61K 48/00** (2006.01);  
**A61P 1/04** (2006.01); **A61P 31/04** (2006.01); **C07K 14/205** (2006.01); **C07K 16/12** (2006.01); **C12P 21/02** (2006.01); **A61K 39/00** (2006.01)

CPC (source: EP KR US)  
**A61P 1/04** (2018.01 - EP); **A61P 31/04** (2018.01 - EP); **C07K 14/00** (2013.01 - KR); **C07K 14/205** (2013.01 - EP); **C07K 16/121** (2013.01 - EP);  
**A61K 38/00** (2013.01 - EP); **A61K 39/00** (2013.01 - EP KR US); **Y02A 50/30** (2018.01 - EP)

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

DOCDB simple family (publication)  
**WO 9843478 A1 19981008**; AU 7099598 A 19981022; AU 756010 B2 20030102; CA 2286306 A1 19981008; CN 1263436 A 20000816;  
EP 0977482 A1 20000209; EP 0977482 A4 20020306; JP 2001527393 A 20011225; KR 20010005893 A 20010115; NZ 338039 A 20010427

DOCDB simple family (application)  
**US 9806371 W 19980401**; AU 7099598 A 19980401; CA 2286306 A 19980401; CN 98805612 A 19980401; EP 98917972 A 19980401;  
JP 54194798 A 19980401; KR 19997008969 A 19990930; NZ 33803998 A 19980401