

Title (en)  
MENINGOCOCCUS VACCINE COMPRISING THE VALENCE OF BZ83 STRAIN

Title (de)  
MENINGITISIMPFSTOFF AUS STAMM BZ83 IMMUNOGENEN

Title (fr)  
VACCIN MENINGOCOQUE COMPORTANT LA VALENCE DE SOUCHE BZ83

Publication  
**EP 0948534 A1 19991013 (FR)**

Application  
**EP 98941530 A 19980803**

Priority  
• FR 9801730 W 19980803  
• FR 9710301 A 19970807

Abstract (en)  
[origin: FR2767060A1] The invention concerns a pharmaceutical composition comprising (i) the subunit of least molecular weight (TbpB) of the human transferrin receptor (HTR) of a Neisseria meningitis strain having a DNA sequence coding for Tbp, (a) which contains two A<sub>va</sub>II restriction sites, 3 HincII restriction sites, no VspI restriction site and no XhoI restriction site or (b) from which it is possible to generate by PCR (polymerase chain reaction) using primers P3 of formula 5'-AAGACCAAGCGGATACGGTTTTGC-3' and P4 of formula 5'-GAAGACGAGTCGGAAACAAAGGGATG-3', a polynucleotide of 765 to 775 nucleotides. Such a strain is for example the BZ83 strain whereof the DNA sequence coding for TbpB is shown in the SEQ ID NO 1.

IPC 1-7  
**C07K 14/22**

IPC 8 full level  
**C12N 15/09** (2006.01); **A61K 39/00** (2006.01); **A61K 39/095** (2006.01); **A61K 48/00** (2006.01); **A61P 25/00** (2006.01); **A61P 31/04** (2006.01); **C07K 14/22** (2006.01); **C12N 1/21** (2006.01); **C12Q 1/68** (2006.01); **A61K 38/00** (2006.01); **C12R 1/36** (2006.01)

CPC (source: EP)  
**A61K 45/06** (2013.01); **A61P 25/00** (2018.01); **A61P 31/04** (2018.01); **C07K 14/22** (2013.01); **A61K 38/00** (2013.01)

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)  
**FR 2767060 A1 19990212**; **FR 2767060 B1 20000211**; AU 8987598 A 19990301; CA 2267066 A1 19990218; CN 1241193 A 20000112; EP 0948534 A1 19991013; HU P0001451 A2 20010428; HU P0001451 A3 20010928; JP 2001503068 A 20010306; NO 991558 D0 19990330; NO 991558 L 19990330; NZ 334992 A 20010928; WO 9907741 A1 19990218

DOCDB simple family (application)  
**FR 9710301 A 19970807**; AU 8987598 A 19980803; CA 2267066 A 19980803; CN 98801479 A 19980803; EP 98941530 A 19980803; FR 9801730 W 19980803; HU P0001451 A 19980803; JP 51175699 A 19980803; NO 991558 A 19990330; NZ 33499298 A 19980803