

Title (en)  
HUMAN SPERM SURFACE ANTIGENS

Title (de)  
OBERFLÄCHEN-ANTIGENE MENSCHLICHEN SPERMAS

Title (fr)  
ANTIGENES DE SURFACE DE SPERME HUMAIN

Publication  
**EP 1162880 A1 20011219 (EN)**

Application  
**EP 00919555 A 20000322**

Priority  
• US 0007686 W 20000322  
• US 12550499 P 19990323

Abstract (en)  
[origin: WO0056144A1] The present invention relates to sperm surface proteins and the use of such proteins to modulate fertility in a mammalian species. More particularly the invention is directed to purified sperm-specific surface peptide epitopes as well as derivatives and antibodies directed to those protein epitopes.

IPC 1-7  
**A01N 1/00**; **A61K 35/52**; **A61K 38/04**; **A61K 38/08**; **A61K 39/385**; **A61K 39/395**; **C07K 7/06**; **C07K 14/705**; **C07K 16/28**; **G01N 33/543**; **G01N 33/68**

IPC 8 full level  
**G01N 33/50** (2006.01); **A61K 38/00** (2006.01); **A61K 39/00** (2006.01); **A61K 39/395** (2006.01); **A61P 15/00** (2006.01); **A61P 15/08** (2006.01); **A61P 15/16** (2006.01); **A61P 15/18** (2006.01); **C07K 7/00** (2006.01); **C07K 14/705** (2006.01); **C07K 16/28** (2006.01); **G01N 33/15** (2006.01); **G01N 33/53** (2006.01); **G01N 33/543** (2006.01)

CPC (source: EP US)  
**A61P 15/00** (2018.01 - EP); **A61P 15/08** (2018.01 - EP); **A61P 15/16** (2018.01 - EP); **A61P 15/18** (2018.01 - EP); **C07K 14/705** (2013.01 - EP); **C07K 16/28** (2013.01 - EP); **A61K 38/00** (2013.01 - EP); **A61K 39/00** (2013.01 - EP US)

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 0056144 A1 20000928**; **WO 0056144 A9 20010712**; AU 4021800 A 20001009; EP 1162880 A1 20011219; JP 2002539223 A 20021119

DOCDB simple family (application)  
**US 0007686 W 20000322**; AU 4021800 A 20000322; EP 00919555 A 20000322; JP 2000606062 A 20000322