

Title (en)
MODULATION OF OVULATION

Title (de)
MODULATION DER OVULATION

Title (fr)
MODULATION DE L'OVULATION

Publication
EP 1819722 A4 20090909 (EN)

Application
EP 05823157 A 20051202

Priority
• NZ 2005000313 W 20051202
• NZ 53694304 A 20041202
• NZ 53903905 A 20050324
• NZ 54117005 A 20050708

Abstract (en)
[origin: WO2006059913A1] The present invention is directed to the identification of a novel domain of functional significance on the GDF-9 and GDF-9B molecules and to peptides and antibodies which interact with the domain to modulate the biological activity of these molecules to alter mammalian ovarian function and ovulation rate.

IPC 8 full level
A61K 38/10 (2006.01); **A61K 39/395** (2006.01); **A61P 15/08** (2006.01); **C07K 7/08** (2006.01); **C07K 14/475** (2006.01); **C07K 14/495** (2006.01); **C07K 14/51** (2006.01); **C07K 16/22** (2006.01)

CPC (source: EP)
A61K 39/0006 (2013.01); **A61P 15/00** (2017.12); **A61P 15/08** (2017.12); **C07K 7/06** (2013.01); **C07K 7/08** (2013.01); **C07K 14/475** (2013.01); **C07K 16/22** (2013.01); **A61K 38/00** (2013.01)

Citation (search report)
• [X] US 6191261 B1 20010220 - LEE SE-JIN [US]
• [X] WO 9917797 A1 19990415 - UNIV JOHNS HOPKINS MED [US]
• [X] JUENGEL J L ET AL: "Growth differentiation factor 9 and bone morphogenetic protein 15 are essential for ovarian follicular development in sheep", BIOLOGY OF REPRODUCTION, SOCIETY FOR THE STUDY OF REPRODUCTION, CHAMPAIGN, IL, US, vol. 67, 4 October 2002 (2002-10-04), pages 1777 - 1789, XP002999768, ISSN: 0006-3363
• [T] MCNATTY KP ET AL: "The Effects of Immunizing Sheep with Different BMP15 or GDF9 Peptide Sequences on Ovarian Follicular Activity and Ovulation Rate", BIOLOGY OF REPRODUCTION, vol. 76, 8 November 2006 (2006-11-08), pages 552 - 560, XP002538978, DOI: 10.1095/biolreprod.106.054361
• See references of WO 2006059913A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006059913 A1 20060608; WO 2006059913 A9 20080522; AU 2005310356 A1 20060608; BR PI0518809 A2 20081209; CA 2589898 A1 20060608; EP 1819722 A1 20070822; EP 1819722 A4 20090909; JP 2008521891 A 20080626

DOCDB simple family (application)
NZ 2005000313 W 20051202; AU 2005310356 A 20051202; BR PI0518809 A 20051202; CA 2589898 A 20051202; EP 05823157 A 20051202; JP 2007544297 A 20051202