

Title (en)
HUMAN GENE CRITICAL TO FERTILITY

Title (de)
HUMANES GEN, DAS FÜR DIE FERTILITÄT ENTSCHEIDEND IST

Title (fr)
GENE HUMAIN ESSENTIEL POUR LA FERTILITE

Publication
EP 1490381 A4 20050615 (EN)

Application
EP 02723673 A 20020329

Priority
• US 0209776 W 20020329
• US 0110981 W 20010404

Abstract (en)
[origin: WO02081492A1] Disclosed herein are novel nucleic acid and protein sequences that are essential to fertility. In particular, human Mater genomic, cDNA and protein sequences are provided, as are fragments and variants thereof. Functional MATER is required for female fertility; zygotes that arise from Mater null oocytes do not progress beyond the two-cell stage. Methods are described for using Mater molecules in diagnoses, prognosis, and treatment of infertility and reduced fertility, and kits related to such methods. Also provided are methods for using Mater as a contraceptive agent. The disclosure also describes compounds involved in such methods, and the identification of such compounds.

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IPC 8 full level
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CPC (source: EP)
C07K 14/47 (2013.01); **G01N 2800/367** (2013.01)

Citation (search report)
• [E] WO 0232955 A1 20020425 - US GOV HEALTH & HUMAN SERV [US], et al
• [E] WO 0248362 A2 20020620 - INCYTE GENOMICS INC [US], et al
• See references of WO 02081492A1

Designated contracting state (EPC)
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