

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 A1 20041229 (EN)**

Application  
**EP 02723673 A 20020329**

Priority  
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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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