

小鼠受精抗原1基因与人类同源基因的关系 The Relationship between Mouse Fertilization Antigen 1 Gene and The Human Counterpart Gene

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摘要 参照已报道小鼠受精抗原1 (FA1) 基因序列设计引物, 运用PCR和PCR产物克隆测序等方法, 对人受精抗原1 (FA1) 基因进行了克隆, 并对两者进行了比较, 结果显示: (1) 已报道的小鼠FA1基因序列在其可读框内可能存在两处错误。 (2) 人OTK27基因可能与小鼠FA1基因同源, 即OTK27基因就是人hFA1基因, 或FA1基因就是小鼠otk27基因。

Abstract: The cloning of human fertilization antigen 1 gene (FA1), the supposed counterpart gene of mouse fertilization antigen 1 gene (FA1), was performed using the PCR and PCR products cloned sequencing methods. The result shows that there might be two mistakes in the mouse FA1 gene open reading frame (ORF), and human OTK27 gene and mouse FA1 gene might be homogeneous genes in the two species.

关键词 [受精抗原1](#) [基因克隆](#) **Key words** [fertilization antigen 1 \(FA1\)](#) [gene cloning](#)

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