

论著

3 个HDAC1 的保守氨基酸定点突变的获得

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摘要 目的:为了研究HDAC1 保守氨基酸的定点突变对其功能的影响,需要建立HDAC1 保守氨基酸定点突变的突变子。方法:在克隆HDAC1 cDNA 的基础上,利用Altered Site II 体外突变系统对HDAC1 保守氨基酸中的三个氨基酸位点进行突变,经DNA 测序鉴定。结果与结论:结果分别获得了HDAC1 的C151A, Y188F, S197A 的定点突变子,为进一步研究HDAC1 保守氨基酸的定点突变对其功能的影响打下了基础。

关键词 [组蛋白脱乙酰化酶1](#) [组蛋白脱乙酰化](#) [定点突变](#)

COSTRUCITION OF THREE CONSERVED AMINO ACID RESIDUE MUTATIONS OF HDAC1

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Abstract Purpose and Methods : It's necessary to const ruct the conserved amino acid residue mutations of HDAC1 for studing the functions of the coserved amino acid residues of HDAC1. On the base of cloning of HDAC1 cDNA , Three mutant s of HDAC1 , which contain the conserved three amino acid residue mutations respectively were made by the Altered Site II in2vit ro mutation system , and confirmed by DNA sequencing. **Results and Conclusion :** The result s were that C151A , Y188F , S197A mutant s of HDAC1 were obtained , and made the base for further studing the function affection of conserved amino acid residue mutations.

Keywords [histone deacetylation](#) [histone deacetylase 1 \(HDAC1\)](#) [in-vit ro site mutation](#)

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