

论著

# 基因重组人碱性成纤维细胞生长因子 (rh-bFGF) 致突变研究

马明福<sup>1</sup> 李练兵<sup>1</sup> 蔡敏<sup>1</sup> 李新生<sup>1</sup> 曾维三<sup>1</sup> 廖明阳<sup>2</sup> 王治乔<sup>2</sup>

<sup>1</sup>重庆市计划生育科学研究所 重庆 400020 <sup>2</sup>军事医学科学院毒物药物研究 北京 100850

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**摘要** 本文用Ames 试验,体外染色体畸变试验和微核试验对rh2bFGF 进行了致突变性研究。结果显示,rh2bFGF 的各剂量组对TA97、TA98、TA100、TA102菌株在±S9mix条件下无致突变性;在±S9mix条件下的染色体畸变试验中,rh2bFGF 的4个剂量浓度对CHL 细胞染色体无畸变作用;以0.53mg/ KG·bw、2.13mg/ KG·bw、8.50mg/ KG·bw、34.0mg/ KG·bw 的rh2bFGF 对小鼠骨髓多染红细胞无诱发微核增加作用。实验结果表明,rh2bFGF 无致突变作用。

**关键词** [rh-bFGF](#) [Ames 试验](#) [染色体畸变](#) [微核](#) [突变](#)

## STUDY ON MUTAGENICITY ON RECOMBINANT HUMAN BASIC FIBROBLAST CROWTH FACTOR

Ma Mingfu<sup>1</sup>, Li Lianbing<sup>1</sup>, Cai Min<sup>1</sup>, Li Xinsheng<sup>1</sup>, Zeng Weisan<sup>1</sup>, Liao Mingyang<sup>2</sup>, Wang Zhiqiao<sup>2</sup>

<sup>1</sup>Chongqing Family Planning Scientific Research Institute, Chongqing 400020 <sup>2</sup>Institute of Pharmacology and Toxicology, Academy of Military Medical Sciences, Beijing 100850

**Abstract** This paper reported the research results of mutagenicity of rh2bFGF. The results showed that rh-FGF at 5 doses of 0.1 - 500µg/ plate did not induce positive mutation of strains TA97、TA98、TA100 and TA10 with or without S9mix in the Ames Test. The rates of CHL Chromosome aberrations of rh-bFGF at 4 doses were negative range (< 5%). The rates of micronucleus assay of polychromatic erythrocytes in mice of rh-bFGF at doses of 0.53µg/ KG·bw, 2.13µg/ KG·bw, 85µg/ KG·bw, 34µg/ KG·bw would not be to induce increase of its micronuclei. It is proved that rh-bFGF would not be any mutagenicity in this experiment.

**Keywords** [rh-bFGF](#) [Ames test](#) [Chromosome abcration](#) [Micronucleus](#) [Mutation](#)

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