Chinese Journal of Lung Cancer 中国肺癌杂志 ^{DISSN 1009-3419} CN 12-1395/R

首页 关于我们 登录 注册 搜索 最新一期 过刊浏览 公告 稿约 在线投稿 Online submission ARTICLE TOOLS Endnote参考文献模板 提前在线出版 i 索引源数据 🖬 首页 > 卷 11, 编号 4 (2008) > YE 🖸 如何引证项目 🧧 查找参考文献 宙杳政策 Construction of the suppression subtractive cDNA libraries of human Email this article large cell lung cancer line L9981 before and after transfection with (Login required) nm23-H1 gene RELATED ITEMS Sujuan YE, Zhihua FENG, Wen ZHU, Chunji CAI, Lu LI, Liya SUN, Haisu WAN, Li MA, Qinghua 7HOU Related studies 摘要 Databases Web search Background and objective It has been proven that nm23-H1 gene is an important 📑 Show all metastatic-suppressed gene of lung cancer. In order to screen the differential expression genes related to nm23-H1, we constructed the suppression subtractive cDNA libraries of human large cell lung cancer line L9981 transfected and untransfected with nm23-H1 gene ABOUT THE by suppression subtractive hybridization (SSH) in this study, which lay a solid foundation for AUTHORS further screening and cloning metastatic-related genes of nm23-H1. Methods The forward and reverse suppression subtractive cDNA libraries were constructed in the human large cell Sujuan YE lung cancer line L9981 before and after transfection with nm23-H1 gene (L9981 and L9981nm23-H1) by SSH method. The positive clones were preliminarily screened by blue-white colony, and precisely identified by PCR. Results The suppression subtractive cDNA libraries were successfully constructed in the human large cell lung cancer line L9981 transfected and Zhihua FENG untransfected with nm23-H1 gene (L9981-nm23-H1 and L9981). After the blue-white screening, about three hundred positive clones in the forward subtracted library and four hundred positive clones in the reverse subtracted library were obtained. Ramdom analysis of Wen ZHU 96 clones in each library with colony PCR methods showed that 84 clones in the forward subtracted library and 83 clones in the reverse subtracted library contained (300-750) bp inserts. Conclusion SSH is proved to be an efficient tool for differential expression gene Chunji CAI cloning. The forward and reverse suppression subtractive cDNA libraries of human large cell lung cancer line L9981 transfected and untransfected with nm23-H1 gene (L9981-nm23-H1 and L9981) are successfully constructed by SSH and T/A cloning technology. The expression of nm23-H1 gene in the human large cell lung cancer cell lines may affect the differential Lu LI expression of some metastatic-related genes. 关键词 Liya SUN Lung neoplasms; nm23-H1 gene; Suppression subtractive hybridization; cDNA library; Metastatic-related gene Haisu WAN 全文: PDF Li MA

Get Permission

Qinghua ZHOU

