

综述

## hTERT启动子的转录调控机制及其靶向性介导肿瘤治疗的研究进展

沈晓涵, 曹亚

中南大学肿瘤研究所, 长沙410078

收稿日期 2007-4-5 修回日期 2007-5-11 网络版发布日期 接受日期

摘要

端粒酶与肿瘤发生发展的关系是近年来肿瘤研究领域的热点之一。端粒酶是一种核糖核蛋白复合物,在绝大多数恶性肿瘤细胞中呈阳性表达,而在正常体细胞中则一般为阴性。端粒酶的活性表达主要是通过hTERT基因的转录机制严格调控的。端粒酶的活化与肿瘤的发生发展及细胞衰老和永生生化关系密切。hTERT基因启动子为恶性肿瘤早期诊断、预后评估及基因治疗提供了新的思路。

关键词 [hTERT启动子](#); [转录因子](#); [靶向性](#); [基因治疗](#)

分类号

## Transcriptional regulation mechanism and targeted cancer therapy of human telomerase reverse transcriptase promoter

SHEN Xiao-han, CAO Ya

Cancer Research Institute, Central South University, Changsha 410078, China

Abstract

Recently, the relationship between telomerase and cancer has become a heated issue in the field of cancer research. Telomerase is a ribonucleoprotein enzyme, which is positively expressed in most malignant tumor cells, while negatively expressed in normal somatic ones. And the transcriptional regulation of human telomerase reverse transcriptase (hTERT) promoter is the main mechanism for telomerase expression, which plays a significant role in the development of tumor as well as cell aging and immortalization. hTERT promoter has become a new target for the early diagnosis, prognostic evaluation and gene therapy of cancer.

Key words

[hTERT promoter](#) [transcriptional factor](#) [targeting](#) [gene therapy](#)

DOI:

通讯作者

作者个人主页 [沈晓涵](#); [曹亚](#)

### 扩展功能

本文信息

- ▶ [Supporting info](#)
- ▶ [PDF \(984KB\)](#)
- ▶ [\[HTML全文\]\(0KB\)](#)
- ▶ [参考文献\[PDF\]](#)
- ▶ [参考文献](#)

服务与反馈

- ▶ [把本文推荐给朋友](#)
- ▶ [加入我的书架](#)
- ▶ [加入引用管理器](#)
- ▶ [复制索引](#)
- ▶ [Email Alert](#)
- ▶ [文章反馈](#)
- ▶ [浏览反馈信息](#)

相关信息

- ▶ [本刊中包含“hTERT启动子; 转录因子; 靶向性; 基因治疗”的相关文章](#)
- ▶ 本文作者相关文章

- [沈晓涵](#)
- [曹亚](#)