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Reporter gene systems for the identification and characterization of cancer stem cells

Salinas-Jazmín N *et al*. Reporter systems in cancer stem cells

Nohemí Salinas-Jazmín, Arely Rosas-Cruz, Marco Velasco-Velazquez

Abstract

Cancer stem cells (CSCs) are tumor cells that share functional characteristics with

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May 20, 2016 · Identity of **Reporter Gene** Positive **Cells**. To characterize the **system** in more detail, we wanted to identify the **reporter gene** positive **cells** within the differentiating EBs. **Cells** were stained wit...

Cited by: 4   Author: Josephine Kugler, Rolf Kemler, Andreas ...
Publish Year: 2016

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https://www.researchgate.net/publication/24199634...

To begin to investigate PSF1 function in **cancer cells**, we cloned the mouse PSF1 promoter and generated lung and colon carcinoma **cells** that stably express a PSF1 promoter-**reporter gene**. **Report**...

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Reporter Gene - an overview | ScienceDirect Topics

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Because embryonic stem cell populations are not homogenous, reporter systems are used to classify the status of stem cells and isolate cells in certain conditions. Although it is one of the most necessary parts of studying stem cells and pluripotency, the lack of such research remains a problem.

Author: Seung-Hun Kim, Kwang-Hwan Choi, Dong-Kyung Lee, Mingyun Lee, Jae Yeon Hwang, Chang-Kyu Lee

Cited by: 2

Publish Year: 2019

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Cited by: 4   **Author:** Magdalena E. Buczek, Stephen P. Reeder, T...
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Identification and Isolation of Cancer Stem Cells Using ...
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Abstract. **Cancer stem Cells** or **Cancer Stem**-like **Cells** are thought to be associated with chemoresistance and recurrence in **cancer** patients following chemotherapy. Developing a method to study these malignant populations is the key to successful development of drug or immunotherapeutic assays. Here, we present a method of **identification**, isolation of Prostate **Cancer Stem Cells** (PCSCs) from the DU145 prostate **cancer** cell line using the NANOG-GFP expression **system**.

Cited by: 5   **Author:** Magdalena E. Buczek, Stephen P. Reeder, T...
Publish Year: 2018

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Cited by: 4   **Author:** Xin Liu, Tong Liu, Lanyue Hu, Tinghui Jiang,...
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