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Basic Study

Morphogenesis of human embryonic stem cells cell line into mature neurons under
in vitro culture condition

Geeta Shroff

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mature neuron markers during neural plate and tube formation and ... embryonic founder cells, being able to differentiate into cells and ... differentiation in defined adherent culture comprises four stages. Stage 1 ... In this condition, the cell line maintained its distinct stem cell ... isolated mechanically under an inverted micro-.

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BE Reubinoff, MF Pera, CY Fong, A Trounson... - Nature ..., 2000 - nature.com

... Cloned human teratoma cells differentiate into neuron-like cells and other cell types in retinoic acid. ... Pera, MF & Herszfeld, D. Differentiation of pluripotent teratocarcinoma stem cells induced by bone morphogenetic protein-2 ... Isolation of a primate embryonic stem cell line. Proc. ...

被引用次数: 2998 相关文章 所有 13 个版本 引用

In vitro differentiation of embryonic stem cells

GM Keller - Current opinion in cell biology, 1995 - Elsevier

... BMP-4—bone morphogenetic protein 4; EB—embryoid body; ES—embryonic stem ... Formation of germ-line chimaeras from embryo-derived teratocarcinoma cell lines. ... Lineage marker-negative lymphocyte precursors derived from embryonic stem cells in vitro differentiate into. ...

被引用次数: 990 相关文章 所有 9 个版本 引用

[HTML] Multilineage differentiation from human embryonic stem cell lines

JS Odorico, DS Kaufman, JA Thomson - Stem cells, 2001 - Wiley Online Library

... germ cell tumors found occasionally in certain strains of mice and humans [12, 13 ... Figure 4. Major goals in the development of transplantation therapies from human ES cell ... Because many fetal or embryonic tissues and multipotent progenitor cells are functionally immature, one ...

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Efficient generation of midbrain and hindbrain neurons from mouse embryonic stem cells

SH Lee, N Lumelsky, L Studer, JM Auerbach... - Nature ..., 2000 - nature.com

... Derivation of pluripotent stem cells from cultured human primordial germ cells. Proc. ... Development of neuronal precursor cells and functional postmitotic neurons from embryonic stem cells in vitro. ...

A. Understanding the roles of Otx1 and Otx2 in the control of brain morphogenesis. ...

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In vitro differentiation of embryonic stem cells - Keller - 被引用次数: 990

... differentiation from human embryonic stem cell lines - Odorico - 被引用次数: 1117

[PDF] Full Text (PDF) - The International Journal of Developmental Biology

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作者: H Baharvand - 2003 - 被引用次数: 91 - 相关文章

mature neuron markers during neural plate and tube formation and ... KEY WORDS: defined condition, human embryonic stem cell, neural ... human hepatocellular carcinoma HepG2 cell line (Shin et al., 2006). ... isolated mechanically under an inverted micro- production of hESC-derived neural cells adherent culture.

Human embryonic stem cells: Derivation, culture, and differentiation: A ...

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作者: T Vazin - 2010 - 被引用次数: 65 - 相关文章

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作者: SC Zhang - 2008 - 被引用次数: 41 - 相关文章

2007年2月23日 - Continued suspension culture of human ES cell aggregates often leads to ... defined