Abstract

HIGHLY EFFICIENT METHOD FOR ESTABLISHING ARTIFICIAL PLURIPOTENT STEM CELL

The present invention provides a production method of iPS cell, including a step of introducing the following (1) and (2):

(1) an episomal vector containing a nuclear reprogramming factor; and

(2) an episomal vector containing EBNA-1, which is different from (1),

into a somatic cell, as well as a method for improving iPS cell establishment efficiency. The present invention also provides an agent for improving iPS cell establishment efficiency, which contains an episomal vector containing a nucleic acid encoding EBNA-1, and a kit for producing an iPS cell further containing an episomal vector containing a nucleic acid encoding a nuclear reprogramming factor.

No Figure