Abstract

METHOD FOR PREDICTING DIFFERENTIATION ABILITY OF PLURIPOTENT STEM CELL, AND REAGENT FOR SAME

Provided is a marker capable of predicting differentiation resistance of a pluripotent stem cell while it is in an undifferentiated state, and a method for rapidly evaluating differentiation potential of the pluripotent stem cell by using expression of the marker as an index. Also provided is a means for searching for culture conditions suitable for maintaining the differentiation potential of a pluripotent stem cell by using expression of the differentiation resistance prediction marker as an index. Further provided is a method for evaluating a medium for a pluripotent stem cell by using expression of the differentiation resistance prediction marker as an index.

A method for predicting a differentiation potential of a pluripotent stem cell comprising measuring an expression level of CHD7of the human pluripotent stem cell. A method for evaluating a medium for a human pluripotent stem cell comprising measuring an expression level of CHD7 of the pluripotent stem cell.

[No suitable figure]