

Title (en)

REGULATION OF CELLULAR FUNCTIONS BY ECTOPIC EXPRESSION OF NON-ENDOGENOUS CELL SIGNALLING RECEPTORS

Title (de)

REGULATION ZELLULÄRER FUNKTIONEN DURCH EKTOPISCHE EXPRESSION NICHT-ENDOGENER
ZELLSIGNALISIERUNGSREZEPTOREN

Title (fr)

REGULATION DE FONCTIONS CELLULAIRES A L'AIDE D'UNE EXPRESSION ECTOPIQUE DE RECEPTEURS NON ENDOGENES DE
SIGNALISATION DE CELLULE

Publication

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Application

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Abstract (en)

[origin: WO9707233A1] The present invention is directed to an in vivo cell transformed with DNA encoding a cell signalling receptor not endogenous to the cell. The cell signalling receptor is capable of activating a signal transduction pathway endogenous to the cell, and the cell signalling receptor can be controllably activated thereby controllably activating the signal transduction pathway so as to regulate a cell function controlled by the signal transduction pathway. The invention also provides a method of ectopically expressing a non-endogenous receptor in a cell, and a method of regulating a cell function in vivo. The method of regulating a cell function comprises transforming a cell with DNA encoding a cell signalling receptor not endogenous to the cell, as above, and controllably exposing the cell to an extracellular molecule capable of activating the foreign cell signalling receptor. Activation of the cell signalling receptor activates the endogenous signal transduction pathway so as to regulate a cell function controlled by the endogenous signal transduction pathway.

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