

Title (en)

YEAST CELLS EXPRESSING MODIFIED G PROTEINS AND METHODS OF USE THEREFOR

Title (de)

MODIFIZIERTE G PROTEINE-EXPRIMIERENDE HEFEZELLEN UND IHRE VERWENDUNGEN

Title (fr)

CELLULES DE LEVURE EXPRIMANT DES PROTEINES MODIFIEES G ET PROCEDES D'UTILISATION ASSOCIES

Publication

EP 1021538 A1 20000726 (EN)

Application

EP 98952143 A 19981007

Priority

- US 9821168 W 19981007
- US 94629897 A 19971007

Abstract (en)

[origin: WO9918211A1] The present invention pertains to novel yeast cells which are useful for the expression of heterologous G protein coupled receptors. The yeast cells of the present invention can be used in screening assays which can be used to screen for modulators of G protein coupled receptors. Specifically, the invention provides novel yeast cells which express a heterologous G protein coupled receptor and mutant and/or chimeric G protein subunit molecules which serve to functionally integrate the heterologous into the pheromone signaling pathway of the yeast cell. The invention also provides for the expression of heterologous G protein coupled receptors which are functionally integrated into the yeast cell membrane using a yeast alpha factor leader sequence. Drug discovery assays using the subject yeast cells are also provided.

IPC 1-7

C12N 15/12; **C12N 15/31**; **C12N 15/62**; **C12N 1/19**; **C07K 14/47**; **C07K 14/395**; **C12Q 1/02**; **C12Q 1/68**; **G01N 33/50**

IPC 8 full level

C07K 14/395 (2006.01); **C07K 14/47** (2006.01); **C12N 1/19** (2006.01); **C12N 15/09** (2006.01); **C12N 15/12** (2006.01); **C12Q 1/02** (2006.01); **C12Q 1/68** (2006.01); **G01N 33/50** (2006.01)

CPC (source: EP)

C07K 14/395 (2013.01); **C07K 14/4722** (2013.01); **C07K 2319/00** (2013.01)

Citation (search report)

See references of WO 9918211A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9918211 A1 19990415; AU 9791198 A 19990427; CA 2305204 A1 19990415; EP 1021538 A1 20000726; JP 2001519157 A 20011023; JP 2009143932 A 20090702

DOCDB simple family (application)

US 9821168 W 19981007; AU 9791198 A 19981007; CA 2305204 A 19981007; EP 98952143 A 19981007; JP 2000515008 A 19981007; JP 2009000439 A 20090105