

Title (en)

HYPERACTIVE, NON-PHOSPHORYLATED, MUTANT TRANSPOSASES OF MARINER MOBILE GENETIC ELEMENTS

Title (de)

MUTIERTE MARINER TRANPOSASEN ALS MOBILE GENETISCHE ELEMENTE, DIE NICHT PHOSPHORYLIERBAR UND HYPERAKTIV SIND

Title (fr)

TRANSPOSASES D ELEMENTS GENETIQUES MOBILES MARINER MUTANTES, NON PHOSPHORYLABLES ET HYPERACTIVES

Publication

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Application

EP 04704632 A 20040123

Priority

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Abstract (en)

[origin: FR2850395A1] A hyperactive transposase mutant (A) from a mariner mobile genetic element (EGM) is new. It has at least one mutation of a phosphorylatable residue (pR), in at least one phosphorylation site, that renders the site non-phosphorylatable. A hyperactive transposase mutant (A) from a mariner mobile genetic element (EGM) is new. It has at least one mutation of a phosphorylatable residue (pR), in at least one phosphorylation site, that renders the site non-phosphorylatable. pR is any of Thr 24, 42, 88, 135, 154, 181, 216 or 255; Ser 28, 104, 147, 170 or 305; or Tyr 171, in a 345 amino acid (aa) sequence (S2), defined in the specification, or at corresponding sites in other mariner EGM, aligned with (S2). Independent claims are also included for the following: (1) recombinant nucleic acid (I) that encodes (A); (2) recombinant vector containing at least one (I); (3) recombinant host cell that harbors at least one vector of (2); and (4) method for producing (A).

IPC 1-7

C12N 15/55; **C12N 9/22**; **A61K 38/16**

IPC 8 full level

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