



US00676720B1

(12) **United States Patent**
van Roy et al.

(10) **Patent No.:** **US 6,767,720 B1**
(45) **Date of Patent:** **Jul. 27, 2004**

(54) **CDNAS ENCODING CATENIN-BINDING PROTEINS WITH FUNCTION IN SIGNALLING AND/OR GENE REGULATION**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/574,779**

(22) Filed: **May 19, 2000**

(30) **Foreign Application Priority Data**

Dec. 23, 1999 (EP) 99204512

(51) **Int. Cl.⁷** **C12P 21/02**

(52) **U.S. Cl.** **435/69.1; 435/320.1; 536/23.1; 536/23.5**

(58) **Field of Search** **536/23.5, 23.1; 435/69.1, 320.1; 530/350**

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(57) **ABSTRACT**

The invention relates to the field of drug discovery, diagnosis, prognosis and treatment of cancer and neurological disorders. The invention provides among others access to and insight in protein-protein or protein-DNA interactions in a signal transduction or transcriptional pathway controlling cell growth or development throughout a wide range of cells and tissues of the body, and provides means, such as nucleic acid, protein, cells and experimental animals and methods to identify candidate drugs, for example for use in therapy of cancer or neurological disorders. As an example of an alpha-catenin-binding protein with function in intracellular signalling or gene regulation, the invention provides an isolated and/or recombinant nucleic acid or a functional fragment, homologue or derivative thereof, corresponding to a zinc finger gene with a nucleic acid sequence as shown in FIG. 1 and encoding a zinc finger protein, or fragment thereof, capable of complexing with a neurally expressed catenin.

7 Claims, 28 Drawing Sheets

1 CAACGAGTTG TAGCGCGGGA GAGGAGGCTT CAGTCTCCG GCGGAAAGCC 50
51 TCCAGCCCTTA GAGTGG 100
104 150
151 200
204 250
251 300
301 350
351 400
402 450
451 500
501 550
551 600
601 650
651 700
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