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(54) Title: ANTISENSE MODULATION OF DUAL SPECIFIC PHOSPHATASE 9 EXPRESSION

(57) Abstract: Antisense compounds, compositions and methods are provided for modulating the expression of Dual specific phosphatases 9. The compositions comprise antisense compounds, particularly antisense oligonucleotides, targeted to nucleic acids encoding Dual specific phosphatase 9. Methods of using these compounds for modulation of Dual specific phosphatase 9 expression and for treatment of diseases associated with expression of Dual specific phosphatase 9 are provided.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/24309

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12Q 1/68; A01N 43/04; C07H 21/04; A61K 31/07

US CL : 435/6, 325, 375; 514/44; 536/23.1, 24.5, 24.3

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/6, 325, 375; 514/44; 536/23.1, 24.5, 24.3

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CaPlus, Biosis, Medline, WEST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	AGRAWAL. Antisense oligonucleotides: towards clinical trials. TIBTECH. October 1996, Vol. 14, pages 376-387.	16-20
A	JEN et al. Suppression of gene expression by targeted disruption of messenger RNA: available options and current strategies. Stem Cells. 2000, Vol. 18, pages 307-319.	16-20
A	BRANCH. A good antisense molecule is hard to find. TIBS. February 1998, pages 46-50.	16-20
X	WO 00/60100 A1 (CEPTYR, INC.) 12 October 2000 (12.10.2000), page 15 lines 21-23; page 40 lines 3-12; page 16 lines 3-4 and lines 7-8; page 3 lines 4-8; page 13 lines 18-30; page 15 lines 6-9; SEQ ID NO:2 and claim 10.	1-15
Y	MUDA et al. Molecular Cloning and Functional Characterization of a Novel Mitogen-Activated Protein Kinase Phosphatase, MKP-4. Journal of Biological Chemistry. 27 February 1997, Vol. 272, No. 8, pages 5141-5151.	1-15
Y	US 5,801,154 A (BARACCHINI et al) 1 September 1998 (01.09.1998), see column 7 lines 6 and 22 and column 8 line 12; column 6 lines 12-17 and (column 4 lines 26-30.	1-15

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