

Title (en)

REGULATORY SEQUENCES INVOLVED IN HYPOXIA REGULATED GENE EXPRESSION AND USES THEREOF

Title (de)

REGULATORISCHE SEQUENZEN BETEILIGT AN DER HYPOXIA-REGULIERTEN GENEXPRESSION UND DEREN ANWENDUNGEN

Title (fr)

SEQUENCES REGULATRICES IMPLIQUEES DANS L'EXPRESSION GENIQUE REGULEE PAR L'HYPOXIE ET LEURS UTILISATIONS

Publication

**EP 0990042 A1 20000405 (EN)**

Application

**EP 98936322 A 19980610**

Priority

- EP 9803517 W 19980610
- EP 97109418 A 19970610

Abstract (en)

[origin: WO9856936A1] Described are recombinant DNA molecules comprising regulatory sequence(s) of the Vascular Endothelial Growth Factor (VEGF) gene or of a gene homologous to the VEGF gene, being capable of modulating hypoxia inducible expression of a heterologous DNA sequence in vivo. Vectors comprising said recombinant DNA molecules are provided. Also provided are pharmaceutical and diagnostic compositions comprising such recombinant DNA molecules and vectors. Furthermore, cells and transgenic non-human animals, comprising the aforementioned recombinant DNA molecules or vectors stably integrated into their genome and their use for the identification of substances capable of suppressing or activating transcription of a hypoxia inducible gene are described. Described is furthermore the use of the before described recombinant DNA molecules and vectors for the preparation of pharmaceutical compositions for treating, preventing, and/or delaying a vascular or tumorous disease in a subject. Furthermore, uses of the recombinant DNA molecules and vectors of the invention for the preparation of pharmaceutical compositions for inducing a vascular or tumorous disease in a non-human animal are provided. In addition, methods for identifying agonists/activators or antagonists/inhibitors of genes or gene products involved in hypoxia and/or ischemia, compounds identifiable by said method, antibodies directed to said compounds as well as to pharmaceutical and diagnostic compositions comprising said agonists/activators, antagonists/inhibitors and/or antibodies are described. Such compositions may be useful for the treatment or prevention or for diagnosing of vascular diseases.

IPC 1-7

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IPC 8 full level

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