

Title (en)

METHOD FOR DIAGNOSIS AND TREATMENT OF DISORDERS OF CARBOHYDRATE METABOLISM

Title (de)

VERFAHREN ZUR DIAGNOSE UND BEHANDLUNG VON STÖRUNGEN DES CARBOHYDRATMETABOLISMUS

Title (fr)

DIAGNOSTIC ET TRAITEMENT DES TROUBLES DU METABOLISME GLUCIDIQUE

Publication

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Application

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Abstract (en)

[origin: WO9941411A2] The present invention relates to a method of detecting a disorder in carbohydrate metabolism, such as type II diabetes (NIDDM), by detecting a promoter of an adenylate cyclase III gene, the promoter having enhanced activity. The present invention also relates to a promoter from an adenylate cyclase III gene having enhanced activity, and isolated DNA molecules containing this promoter. The promoter having enhanced activity can be part of a transgenic animal. In another embodiment, the invention relates to a method of treating a patient having a disorder in carbohydrate metabolism, such as type II diabetes (NIDDM), and a method of enhancing or restoring a patient's response to insulin. Each of these methods includes administering to the patient a down regulator, an antagonist, or an inhibitor of expression of the adenylate cyclase III gene, or of the activity of one of its gene products.

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