Title (en)

INSULIN-RESPONSIVE DNA BINDING PROTEIN-1 AND METHODS TO REGULATE INSULIN-RESPONSIVE GENES

Title (de)

AUF INSULIN REAGIERENDE DNA BINDENDES PROTEIN 1 UND VERFAHREN ZUR REGULATION AUF INSULIN REAGIERENDER GENE

Title (fr)

PROTEINE 1 DE LIAISON A L'ADN SENSIBLE A L'INSULINE ET METHODES DESTINEES A REGULER DES GENES SENSIBLES A L'INSULINE

Publication

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Application

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Abstract (en)

[origin: WO03057827A2] The present invention relates to the novel protein Insulin-Responsive DNA Binding Protein-1 IRDBP-1 and nucleotide sequences that encode it. IRDBP-1 binds to nucleic acid regions of genes that respond when cells are exposed to insulin. IRDBP-1 regulates genes important in mediating the insulin response in mamals and in regulating conditions such as diabetes, obesity, insulin-resistant syndrome and cell proliferative disorders. The present invention provides nucleic acids useful as probes for detecting nucleic acids encoding regions of the IRDBP-1 protein. Within the scope of the present invention are recombinant cells, tissues and animals containing non-naturally occurring recombinant nucleic acid molecules encoding IRDBP-1, including expression vectors, antibodies specific for IRDBP-1, assays for IRDBP-1 polypeptide, and methods relating to all of the foregoing, the development of therapeutic and diagnostic agents that mimic, facilitate or inhibit the actionof IRDBP-1, and/or are based on relationships ot the structure and action of IRDBP-1.

[origin: WO03057827A2] The present invention relates to the novel protein Insulin−Responsive DNA Binding Protein−1 (IRDBP−1) and nucleotide sequences that encode it. IRDBP−1 binds to nucleic acid regions of genes that respond when cells are exposed to insulin. IRDBP−1 regulates genes important in mediating the insulin response in mamals and in regulating conditions such as diabetes, obesity, insulin−resistant syndrome and cell proliferative disorders. The present invention provides nucleic acids useful as probes for detecting nucleic acids encoding regions of the IRDBP −1 protein. Within the scope of the present invention are recombinant cells, tissues and animals containing non−naturally occurring recombinant nucleic acid molecules encoding IRDBP−1, including expression vectors, antibodies specific for IRDBP−1, assays for IRDBP−1 polypeptide, and methods relating to all of the foregoing, the development of therapeutic and diagnostic agents that mimic, facilitate or inhibit the actionof IRDBP−1, and/or are based on relationships ot the structure and action of IRDBP−1.

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