

Title (en)
GLUCOSE REGULATED GENE

Title (de)
GLUCOSE-REGULIERTES GEN

Title (fr)
GENE A REGULATION GLUCOSIQUE

Publication
EP 1040125 A1 20001004 (EN)

Application
EP 98954094 A 19981119

Priority
• CA 9801061 W 19981119
• US 6935297 P 19971212

Abstract (en)
[origin: WO9931134A1] The invention is a human munc13 gene (Hmunc13) and protein from kidney and other cells which has an important role in cell signaling. This gene is regulated by glucose. Hmunc13 contributes to the renal and microvascular complications associated with hyperglycemia in diabetes mellitus, through a variety of mechanisms including Hmunc13 linked apoptosis. The invention also includes biologically functional equivalent nucleotide sequences and proteins. The invention also relates to methods of using these nucleic acid sequences and proteins in medical treatments and drug screening.

IPC 1-7
C07K 14/47; **C12N 15/12**; **C12N 15/86**; **C12N 5/10**; **A61K 48/00**; **C07K 16/18**; **G01N 33/53**; **C12N 15/11**

IPC 8 full level
G01N 33/53 (2006.01); **A61K 31/711** (2006.01); **A61K 38/00** (2006.01); **A61K 48/00** (2006.01); **A61P 3/10** (2006.01); **A61P 13/12** (2006.01); **A61P 43/00** (2006.01); **C07K 14/47** (2006.01); **C07K 16/18** (2006.01); **C12N 1/15** (2006.01); **C12N 1/19** (2006.01); **C12N 1/21** (2006.01); **C12N 5/10** (2006.01); **C12N 15/09** (2006.01); **C12N 15/12** (2006.01)

CPC (source: EP)
A61P 3/10 (2017.12); **A61P 13/12** (2017.12); **A61P 43/00** (2017.12); **C07K 14/4713** (2013.01); **C07K 14/4747** (2013.01); **A61K 38/00** (2013.01); **A61K 48/00** (2013.01)

Citation (search report)
See references of WO 9931134A1

Designated contracting state (EPC)
BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)
WO 9931134 A1 19990624; AU 1138899 A 19990705; CA 2314141 A1 19990624; EP 1040125 A1 20001004; JP 2002508172 A 20020319

DOCDB simple family (application)
CA 9801061 W 19981119; AU 1138899 A 19981119; CA 2314141 A 19981119; EP 98954094 A 19981119; JP 2000539057 A 19981119