Title (en)

TREATING HEPATITIS C VIRUS INFECTION WITH OVER-EXPRESSION OF MICRORNA-196

Title (de)

BEHANDLUNG EINER INFEKTION MIT HEPATITIS-C-VIRUS MITTELS ÜBEREXPRESSION VON MICRORNA-196

Title (fr)

TRAITEMENT DE L'INFECTION PAR LE VIRUS DE L'HÉPATITE C AVEC UNE SUREXPRESSION DE MICRO-ARN-196

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2010042683A1] The present invention is directed to methods of treating cells infected with HCV and mammals suffering from HCV infection by transfecting the infected cells with miRNA-196 mimic. miRNA-196 mimic significantly down-regulates Bach1 protein and HCV gene expression, while also up-regulating HMOX1 gene expression. miRNA-196 binds with the 3'-UTR of Bach1 mRNA to reduce the expression of Bach1. As such, miRNA-196 can play an important role in the regulation of HCV replication and HMOX1/Bach1 expression in hepatocytes. The present invention also provides a formulation for the treatment of cells expressing HCV comprising a therapeutically effective amount of miRNA-196 such that Bach1 and HCV gene expression are down- regulated while HMOX1 expression is increased. The formulations are adapted to enable the transfection of miRNA-196 mimic into hepatocytes expressing HCV proteins.

IPC 8 full level

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CPC (source: EP KR)

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