

ABSTRACT

The present disclosure provides a double-stranded RNAi agent for targeting and regulating HBV gene expression and a use thereof. The double-stranded RNAi agent comprises an antisense strand and a sense strand complementary to the antisense strand forming a duplex region. The nucleotide sequence of the antisense strand is as shown in SEQ ID NO: 8, 11, or 13, or the nucleotide sequence of the antisense strand is a modified sequence of the sequence shown in SEQ ID NO: 8, 11, or 13. Results from cell and animal experiments demonstrate that the double-stranded RNAi agent provided in the present disclosure can significantly reduce the expression of one or more HBV genes, block the viral life cycle, and can be used to develop drugs for treating diseases related to HBV gene expression.

FIG. 1A