

ABSTRACT**NOVEL EXPRESSION VECTOR WITH ENHANCED GENE
EXPRESSION CAPACITY AND METHOD FOR USING THE SAME**

The present invention provides a novel expression vector which comprises a gene of interest, a nuclear anchoring element, and at least one inverted repeat element, preferably two inverted repeat elements. The expression vector is an episomal vector capable of transfecting a mammalian cell. The present invention further provides a method for enhancing gene expression by transfecting the expression vector to a mammalian cell, preferably a human cell.

Fig.1C