

**HIGH EFFICIENCY GENE TRANSFER AND EXPRESSION IN MAMMALIAN
CELLS BY A MULTIPLE TRANSFECTION PROCEDURE OF MATRIX
ATTACHMENT REGION SEQUENCES**

ABSTRACT

The present invention relates to purified and isolated DNA sequences having protein production increasing activity and more specifically to the use of matrix attachment regions (MARs) for increasing protein production activity in a eukaryotic cell. Also disclosed is a method for the identification of said active regions, in particular MAR nucleotide sequences, and the use of these characterized active MAR sequences in a new multiple transfection method.

(FIG. 1)