

ABSTRACT**METHOD FOR PREPARING SINGLE-STRANDED DNA USING CAS NICKING ENZYME**

- 5 A method for preparing a single-stranded DNA using a CAS nicking enzyme. The method solves the problem of limited enzyme cleavage sites when a traditional nickase is used, and multiple gRNAs can be used in one enzyme digestion system for multi-point nicking. The plasmid nicking efficiency is improved, and the digestion efficiency of the subsequent exonuclease is also effectively improved.

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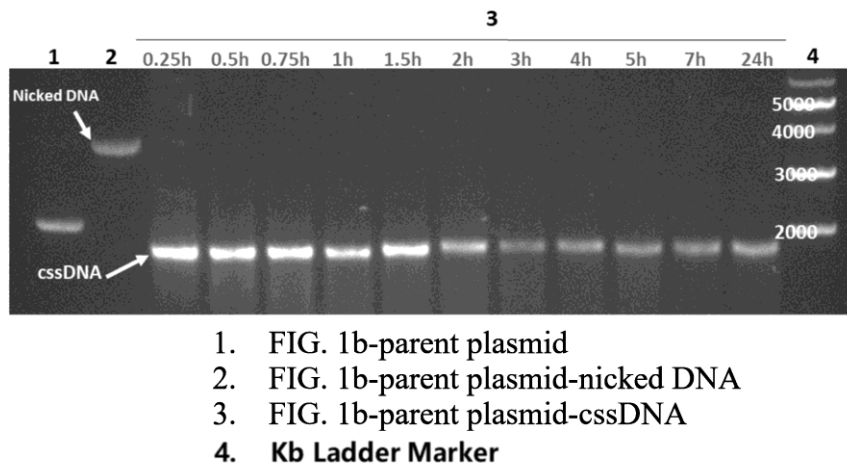


FIG. 5