

Plasmid: **pUC-Arg7-lox-B**

The plasmid contains the genomic *ARG7.8* gene from *Chlamydomonas reinhardtii* inserted into pUCBM20 (ampicillin resistance) in two parts as *Bam*HI/*Sal*I and *Sal*I/*Sal*I-fragments. The *Bam*HI restriction site was then destroyed and replaced by an *Eco*RV restriction site. A *loxP*-site was introduced into a Klenow-treated *Xba*I site.

Plasmid-sequence: pUC-Arg7-lox-B 10431 bp
 ARG7: 261-7939
 loxP: 7949-7983

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201 ACACAGGAAA  CAGCTATGAC  CATGATTACG  AATCCCAGG   GATCGGTACG
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501 CGTGTGCGGC  ATCTCGGCGC  TGCGGTTGAA  GTCCACACAC  TGCGCGTGTG
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751 CACCTAGCAG  CACACCAGCA  TGGTCAGGTG  TGTACCCTG   CTGGCATGGA
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901 CTGCTGCTGC  TGCTGCTGCT  GCTGCTGCTG  CTCCGCGCCG  CCGCTCACC
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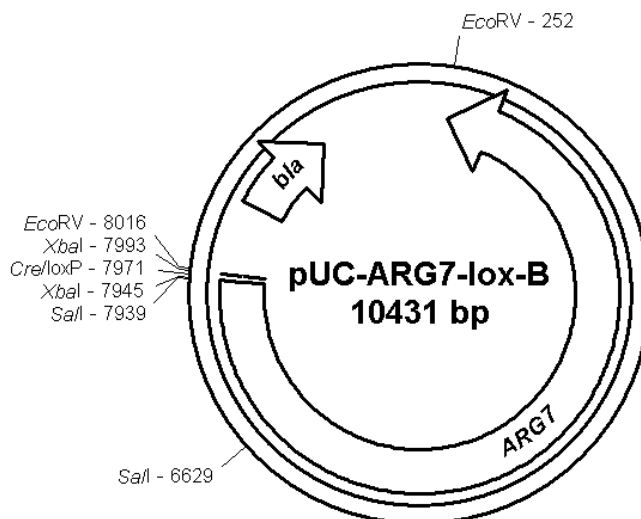
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Plasmid-map:



Reference: Heitzer, M. and Zschoernig, B (2007) Construction of modular tandem expression vectors for the green alga *Chlamydomonas reinhardtii* using the Cre/lox-system. Biotechniques 43(3), 324-32.