pNEB206A Linearized Vector

1-800-632-7799
info@neb.com
www.neb.com

N5502S 005150717071

N5502S

1.0 µg **Lot: 0051507** **Exp: 7/17**

20 µg/ml **Store at –20°C**

Description: Linearized pNEB206A Vector is supplied with the USER™ Friendly Cloning Kit (NEB #E5500). pNEB206A has been linearized within the Multiple Cloning Site to produce 8-nucleotide, 3´ single-stranded extensions on both vector ends. The single-stranded extensions are not complementary; this prevents the vector termini from re-annealing to form transformable circular DNA and also allows control over the orientation of the inserted PCR product.

Source: pNEB206A is isolated from *E. coli* by a standard purification procedure, digested to completion with Xba I and nicked with N.BbvC IB. The DNA is phenol extracted and resuspended in 10 mM Tris-HCl (pH 8.0), 1 mM EDTA

Supplied in: 10 mM Tris-HCl (pH 8.0), 1 mM EDTA.

Quality Control Assays

A standard USER reaction was performed as described in Appendix V of the USER Friendly Cloning Kit (NEB #E5500) manual [20 ng linearized pNEB206A, 1 µl USER Enzyme and 10 µl (100 ng) of a 950 bp control PCR product amplified using *Taq* DNA Polymerase and primers containing uracil, designed as recommended in the USER Friendly cloning Kit manual]. After transformation into chemically-competent cells (NEB #ER2267 at 5 x 10^6 c.f.u./µg pNEB206A), 50 µl of the 1 ml outgrowth was spread on Amp + Xgal + IPTG plates. A minimum of 200 colonies were obtained and > 90% of these were white (i.e., contained recombinant molecules).

U.S. Publication No. US-2009-0042258

CERTIFICATE OF ANALYSIS

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