

BacPAK™6 DNA (Bsu36 I digest)

Catalog No. 631401	Amount 5 transfections	Lot Number Specified on product label.
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Description

Baculovirus DNA specially designed and prepared to give a high proportion of recombinant viral expression vectors (Kitts and Possee 1993). The Bsu36I-digested BacPAK6 DNA is ready-to-use and is sufficient for 5 transfections. The transfection reagent Bacfectin is also provided.

Virus Size

- 130 kb

Package Contents

- 25 µl BacPAK6 DNA (Bsu36 I digest)
- 25 µl Bacfectin

Storage Conditions

- Store at 4°C. Do not freeze.
- Spin briefly to recover contents.

Expiration Date

- Specified on product label.

Storage Buffer

- 10 mM Tris-HCl (pH 8.0), 1 mM EDTA

Shipping Conditions

- Blue ice

References

Kitts, P. A. & Possee, R. D. A method for producing recombinant baculovirus expression vectors at high frequency. *Biotechniques* **14**, 810–817 (1993).

Quality Control Data

BacPAK6 viral DNA (Bsu36 I digest) and pBacPAK8-GUS (a transfer vector containing the beta-glucuronidase gene) were cotransfected into IPLB-Sf21 cells following the recommended protocol. Progeny viruses were plaque-assayed (Kitts and Possee 1993) with the addition of X-Gluc to identify recombinant viruses and in parallel with X-Gal to identify viruses generated from incompletely digested pBacPAK6 DNA. The percentage of blue plaques resulting from addition of X-Gluc was $\geq 70\%$ of the total plaques. This is an underrepresentation of the actual percentage of viruses that have undergone the correct recombination, as blue color is extremely difficult to detect in smaller plaques. The percentage of blue plaques resulting from addition of X-Gal was $\leq 1\%$ of those observed for X-Gluc for the recombinant virus.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

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