

# Brevibacillus Expression vector pNY326 DNA

Code No. HB111      Size:      10 µg  
Conc.:      0.2 µg/µl

\* 2 years from date of receipt under proper storage conditions.

## Description :

pNY326 can replicate in *B. choshinensis* cells and its size (3.4 kb) is much smaller than that of pNCM02 (5.2 kb). In addition, the promoter activity of the vector is substantially weaker than that of pNCM02. Taken together, it can be maintained stably even if it expresses rather toxic proteins to the host cells and, in some cases, higher protein production can be achieved using this vector because of the more stable growth of the transformants.

pNY326 exhibits stable productivity and is especially suited to large scale culture. The expression plasmid must be constructed in one step using *B. choshinensis* as the host (the vector can be maintained only in *B. choshinensis*). Because the transformation efficiency must be sufficiently high, the use of *Brevibacillus* Competent Cells ( $10^5$  transformants/µg DNA; Cat. #HB116) is recommended.

## Form :

10 mM      Tris-HCl, pH 8.0  
1 mM      EDTA

Storage:      -20°C

Base pairs :      3,438 bp

## Usage :

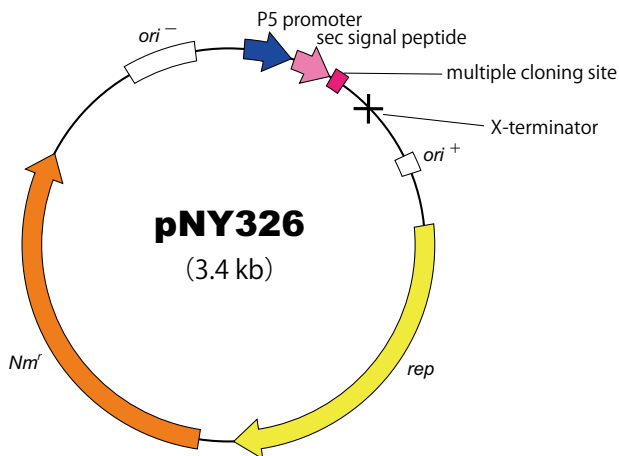
This is a vector for protein expression using *Brevibacillus* Expression System.

## Protocol :

Regarding protocol, please refer to the product manual supplied with *Brevibacillus* Expression System II (Cat. #HB200).

Cloning sites of pNY326 DNA : (Please refer other side of this sheet)

## Map of pNY326 DNA :



## Note

This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals. Also, do not use this product as food, cosmetic, or household item, etc. Takara products may not be resold or transferred, modified for resale or transfer, or used to manufacture commercial products without written approval from Takara Bio Inc.

If you require licenses for other use, please contact us by phone at +81 77 565 6973 or from our website at [www.takara-bio.com](http://www.takara-bio.com).

Your use of this product is also subject to compliance with any applicable licensing requirements described on the product web page. It is your responsibility to review, understand and adhere to any restrictions imposed by such statements.

All trademarks are the property of their respective owners. Certain trademarks may not be registered in all jurisdictions.

