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**PRODUCT: pEXP-Lib Vector**

**CATALOG NO.** 635003  
**AMOUNT** 20 µg

**LOT NUMBER**  
Specified on product label.

**STORAGE BUFFER**  
10 mM Tris-HCl (pH 8.0)  
1 mM EDTA (pH 8.0)

**STORAGE CONDITIONS**

- Store plasmid at -20°C.
- Spin briefly to recover contents.
- Avoid repeated freeze/thaw cycles.

**SHELF LIFE**  
1 year from date of receipt under proper storage conditions.

**SHIPPING CONDITIONS**  
Blue ice (4°C) or dry ice (-70°C).

**DESCRIPTION**  
pEXP-Lib Vector contains an internal ribosome entry site (IRES), which permits the translation of two open reading frames from one messenger RNA. After selection with puromycin, nearly all surviving colonies will stably express the gene of interest, thus decreasing the need to screen large numbers of colonies to find functional clones. SfiIA and SfiIB indicate two distinct SfiI sites that differ in their interpalindromic sequences. This arrangement permits cloning of libraries such that all inserts are in the proper orientation for protein translation.

**CONCENTRATION:** 0.5 µg/µl

**PLASMID SIZE:** 5.1 kb

**CLONING SITES**  
ClaI, EcoRV, NotI, EcoRI, SfiIA, SfiIB

**ANTIBIOTIC RESISTANCE**  
Ampicillin (50 µg/ml for propagation in *E. coli*)

**PACKAGE CONTENTS**  
1 tube of pEXP-Lib Vector

**OTHER**  
Vector Information Packet (PT3752-5)

**FOR RESEARCH USE ONLY**

**QUALITY CONTROL DATA**

- Digestion with the indicated restriction enzymes produced fragments of the indicated sizes on a 0.8% agarose/EtBr gel:

Enzymes	Fragments
EcoRI	5.1 kb
SfiI	4.9 & 0.2 kb

- $A_{260}/A_{280}$ : 1.8–2.0



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## pEXP-Lib Vector

### CATALOG NO.

635003

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