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**PRODUCT: pIRESHyg3 Vector**

**CATALOG NO.**  
631620

**AMOUNT**  
20 µg

**DESCRIPTION**

pIRESHyg3 Vector is designed for the efficient production of stable cell lines expressing recombinant proteins in mammalian cells. This vector contains the internal ribosome entry site (IRES) of the encephalomyocarditis virus (ECMV), which permits both the gene of interest and the hygromycin B selection marker to be translated from a single mRNA.

**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)

**CONCENTRATION:** 500 ng/µl

**PLASMID SIZE:** 5.8 kb

**CLONING SITES**

*BsrG I, Stu I, Afl II, Nae I, BssH II, Nhe I, Eco47 III, BstB I, Kas I, Xma I, Sma I, BamH I, EcoR V, BsiW I, BsfX I*

**ANTIBIOTIC RESISTANCE**

Ampicillin (100 µg/ml for propagation in *E. coli* DH5α)

**PACKAGE CONTENTS**

1 tube of pIRESHyg3 Vector

**OTHER**

Vector Information Packet (PT3644-5)

**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:

Enzyme(s)	Fragment(s)
<i>Pvu II</i>	3.0 & 2.7 kb
<i>BamH I</i>	5.8 kb

- $A_{260}/A_{280}$ : 1.8 – 2.0
- The identity of the plasmid was verified by sequencing.

APPROVED BY: \_\_\_\_\_



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