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**PRODUCT: pIRESneo3 Vector**

<p><b>CATALOG NO.</b> 631621</p> <p><b>AMOUNT</b> 20 µg</p> <p><b>LOT NUMBER</b> Specified on product label.</p> <p><b>STORAGE BUFFER</b> 10 mM Tris-HCl (pH 8.0) 1 mM EDTA (pH 8.0)</p> <p><b>STORAGE CONDITIONS</b></p> <ul style="list-style-type: none"> <li>• Store plasmid at -20°C.</li> <li>• Spin briefly to recover contents.</li> <li>• Avoid repeated freeze/thaw cycles.</li> </ul> <p><b>SHELF LIFE</b> 1 year from date of receipt under proper storage conditions.</p> <p><b>SHIPPING CONDITIONS</b> Blue ice (4°C) or Dry ice (-70°C)</p>	<p><b>DESCRIPTION</b> pIRESneo3 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 neomycin selection marker to be translated from a single mRNA.</p> <p><b>CONCENTRATION:</b> 500 ng/µl</p> <p><b>PLASMID SIZE:</b> 5.3 kb</p> <p><b>CLONING SITES</b> <i>EcoR</i> V, <i>Nhe</i> I, <i>Eco</i>47 III, <i>Afl</i> I, <i>Stu</i> I, <i>Age</i> I, <i>Bs</i>W I, <i>Bsm</i>B I, <i>Bsp</i>E I, <i>Bst</i>B I, <i>Eco</i>R I, <i>Bam</i>H I, <i>Not</i> I, <i>Bsf</i>X I</p> <p><b>ANTIBIOTIC RESISTANCE</b> Ampicillin (100 µg/ml for propagation in <i>E. coli</i> DH5α)</p> <p><b>PACKAGE CONTENTS</b> 1 tube of pIRESneo3 Vector</p> <p><b>OTHER</b> Vector Information Packet (PT3645-5)</p>
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**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>Bam</i> H I	5.3 kb
<i>Pvu</i> II	3.0, 1.1 & 1.1 kb

- A<sub>260</sub>/A<sub>280</sub>: 1.8 – 2.0
- The identity of the plasmid was confirmed by sequencing.



**Clontech**

United States/Canada  
800.662.2566

Asia Pacific  
+1.650.919.7300

Europe  
+33.(0)1.3904.6880

Japan  
+81.(0)77.543.6116

Clontech Laboratories, Inc.  
A Takara Bio Company  
1290 Terra Bella Ave.  
Mountain View, CA 94043  
Technical Support (US)  
E-mail: [tech@clontech.com](mailto:tech@clontech.com)  
[www.clontech.com](http://www.clontech.com)

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

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