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**PRODUCT: pIRES2 DsRed-Express2 Vector**

<b>CATALOG NO.</b>	<b>AMOUNT</b>	<b>DESCRIPTION</b>
632540	20 µg	pIRES2 DsRed-Express2 is a eukaryotic expression vector that encodes DsRed-Express2, a variant of <i>Discosoma</i> sp. red fluorescent protein. pIRES2 DsRed-Express2 is a bicistronic expression vector which contains the internal ribosome entry site (IRES) of the encephalomyocarditis virus (ECMV) between the MCS and red fluorescent protein DsRed-Express2 coding region. This permits both the gene of interest (cloned into the MCS) and the DsRed-Express2 gene to be translated from a single bicistronic mRNA. pIRES2 DsRed-Express2 is designed for the efficient selection of transfected mammalian cells expressing DsRed-Express2 and the protein of interest, by flow cytometry.
<b>LOT NUMBER</b>	Specified on product label.	
<b>STORAGE BUFFER</b>	10 mM Tris-HCl (pH 8.0) 1 mM EDTA (pH 8.0)	
<b>STORAGE CONDITIONS</b>	<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>	
<b>SHELF LIFE</b>	1 year from date of receipt under proper storage conditions.	<b>CONCENTRATION:</b> 500 ng/µl
<b>SHIPPING CONDITIONS</b>	Blue ice (4°C) or Dry ice (-70°C)	<b>PLASMID SIZE:</b> 5.3 kb
		<b>CLONING SITES</b> AccI, BamHI, BglII, EcoRI, Eco47III, NheI, PacR7I, SacI, SacII, SalI, SmaI, XhoI
		<b>ANTIBIOTIC RESISTANCE</b> Kanamycin (50 µg/ml) for propagation in <i>E. coli</i> DH5α
		<b>PACKAGE CONTENTS</b> 1 tube of pIRES2 DsRed-Express2 Vector
		<b>OTHER</b> <ul style="list-style-type: none"> <li>• Vector Information Packet (PT4079-5)</li> </ul>

**FOR RESEARCH USE ONLY**

**QUALITY CONTROL DATA**

Please see back of page.

**We recommend the following antibodies for use with DsRed-Express2:**

- DsRed Monoclonal Antibody, Cat. Nos. 632392 & 632393
- DsRed Polyclonal Antibody, Cat. No. 632496

Visit our website  
for more details!  
click here...



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**QUALITY CONTROL DATA**

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

<b>Enzyme(s)</b>	<b>Fragment(s)</b>
NotI	5.3 kb
PmlI	0.6 & 4.7 kb

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

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The RCFP's (including DsRedExpress and DsRedExpress2) are covered by one or more of the following U.S. Patent Nos. 7,166,444; 7,157,565; 7,217,789; 7,338,784; 7,338,783; 7,537,915 6,969,597, 7,150,979 and 7,442,522.

**Living Colors Fluorescent Protein Products:**

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This document has been reviewed and approved by the Clontech Quality Assurance Department.