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**PRODUCT: pDsRed-Express-C1 Vector****CATALOG NO.**  
632430**AMOUNT**  
20 µg**DESCRIPTION**

pDsRed-Express-C1 encodes DsRed-Express, a variant of *Discosoma* sp. red fluorescent protein (DsRed). DsRed-Express contains nine amino acid substitutions (as compared to DsRed1), which improve the solubility, accelerate the maturation and decrease the level of residual green emission. pDsRed-Express allows genes cloned into the multiple cloning site (MCS) downstream of the DsRed-Express coding sequence to be expressed as fusions to the C-terminus of DsRed-Express. The unmodified vector will express DsRed-Express in mammalian cells.

**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:** 4.7 kb**CLONING SITES***Bgl* II, *Xho* I, *Sac* I, *Hind* III, *Eco*R I, *Sal* I, *Kpn* I, *Sac* II, *Apa* I, *Xma* I, *Sma* I, *Bam*HI**ANTIBIOTIC RESISTANCE**Kanamycin (50 µg/ml) for propagation in *E. coli***PACKAGE CONTENTS**

1 tube of pDsRed-Express-C1 Vector

**OTHER**

- Vector Information Packet (PT3726-5)

**FOR RESEARCH USE ONLY****QUALITY CONTROL DATA**

Please see back of page.

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

(PA862789)

**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>Age</i> I	4.7 kb
<i>Stu</i> I	3.2 & 1.5 kb

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

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**DsRed-Express:**

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