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PRODUCT: pDsRed-Express-DR Vector

CATALOG NO. 632423
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

pDsRed-Express-DR is a promoterless vector that encodes DsRed-Express-DR, a destabilized variant of *Discosoma* sp. red fluorescent protein, DsRed-Express. DsRed-Express-DR contains a PEST degradation domain at its C-terminus, so it is rapidly turned over in mammalian cell culture. Because of its short half-life, DsRed-Express-DR is well suited for monitoring the activity of promoters and promoter/enhancer combinations cloned into the multiple cloning site, located upstream of the human codon-optimized DsRed-Express-DR gene. Without the addition of a functional promoter, this vector will not express DsRed-Express-DR.

CONCENTRATION: 500 ng/µl

PLASMID SIZE: 4.2 kb

CLONING SITES

*Eco*47 III, *Bgl* II, *Xho* I, *Sac* I, *Hind* III, *Eco*R I, *Sal* I, *Kpn* I, *Sac* II, *Apa* I, *Xma* I, *Age* I, *Bam*H I

ANTIBIOTIC RESISTANCE

Kanamycin (50 µg/ml) for propagation in *E. coli*

PACKAGE CONTENTS

1 tube of pDsRed-Express-DR Vector

OTHER

- Vector Information Packet (PT3700-5)

FOR RESEARCH USE ONLY

QUALITY CONTROL DATA

Please see back of page.



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(PA862785)

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>Sal</i> I/ <i>Not</i> I	3.4 & 0.8 kb
<i>Sma</i> I	4.2 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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