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PRODUCT: pDsRed-Express-N1 Vector

CATALOG NO.
632429

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-N1 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, increase the maturation rate, and decrease the level of residual green emission. pDsRed-Express allows genes cloned into the multiple cloning site (MCS) upstream of the DsRed-Express coding sequence to be expressed as fusions to the N-terminus of DsRed-Express. The unmodified vector will express DsRed-Express in mammalian cells.

CONCENTRATION: 500 ng/µl

PLASMID SIZE: 4.7 kb

CLONING SITES

Nhe I, *Eco*47 III, *Bgl* II, *Xho* I, *Sac* I, *Hind* III, *Eco*R I, *Sal* I, *Acc* I, *Kpn* I, *Asp*718 I, *Sac* II, *Apa* I, *Bsp*120 I, *Xma* I, *Sma* I, *Bam*H I, *Age* I

ANTIBIOTIC RESISTANCE

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

PACKAGE CONTENTS

1 tube of pDsRed-Express-N1 Vector

OTHER

- Vector Information Packet (PT3725-5)

FOR RESEARCH USE ONLY

QUALITY CONTROL DATA

Please see back of page.



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APPROVED BY: _____

(PA862788)

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>Not</i> I	4.7 kb
<i>Pst</i> I	4.3 & 0.4 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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