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PRODUCT: pDsRed-Express2-N1 Vector

CATALOG NO.	AMOUNT	DESCRIPTION
632537	20 µg	pDsRed-Express2-N1 is a mammalian expression vector that encodes DsRed-Express2, a variant of <i>Discosoma</i> sp. red fluorescent protein (DsRed). pDsRed-Express2-N1 can be used to construct fusions to the N-terminus of DsRed-Express2. The fusion construct retains the fluorescent properties of the native DsRed-Express2 protein, and its expression can be monitored by flow cytometry and its cellular localization can be determined by fluorescence microscopy. pDsRed-Express2-N1 can also be used as a cotransfection marker; the unmodified vector will express DsRed-Express2 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	<ul style="list-style-type: none">• 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 AccI, Acc65I, ApaI, BamHI, BagIII, Bsp120I, Eco47III, EcoRI, HindIII, KpnI, NheI, SacI, SacII, SalI, SmaI, SpeI, XhoI, XmaI
		ANTIBIOTIC RESISTANCE Kanamycin (50 µg/ml) for propagation in <i>E. coli</i>
		PACKAGE CONTENTS 1 tube of pDsRed-Express2-N1 Vector
		OTHER <ul style="list-style-type: none">• Vector Information Packet (PT4076-5)

FOR RESEARCH USE ONLY**QUALITY CONTROL DATA**

Please see back of page.

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(PA053859)

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)
NotI	4.7 kb
ApaLI	1.1& 3.6 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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