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PRODUCT: pDsRed-Monomer-Golgi Vector

CATALOG NO.	AMOUNT	DESCRIPTION
632480	20 µg	pDsRed-Monomer-Golgi encodes DsRed-Monomer, a monomeric mutant of the <i>Discosoma</i> sp. red fluorescent protein DsRed. In this vector, the DsRed-Monomer coding sequence is fused at its N-terminus to the N-terminal 81 amino acids of human beta 1,4-galactosyltransferase (GT). The pDsRed-Monomer-Golgi fusion protein can be used for specific labeling of the trans-medial region of the Golgi apparatus in mammalian cells. A membrane anchoring signal peptide within the 81 amino acid sequence targets the fusion protein
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: 4.9 kb
		ANTIBIOTIC RESISTANCE Kanamycin (50 µg/ml) for propagation in <i>E. coli</i> Stbl-2
		PACKAGE CONTENTS 1 tube of pDsRed-Monomer-Golgi Vector
		OTHER pDsRed-Monomer-Golgi Vector Information Packet (PT3828-5)

FOR RESEARCH USE ONLY

QUALITY CONTROL DATA

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(PA862809)

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	4.9 kb
<i>Bgl</i> II	4.9 kb
<i>Age</i> I & <i>Not</i> I	4.1 kb & 0.7 kb*

- Plasmid purity was analyzed by OD A_{260}/A_{280} measurement and found to be ≥ 1.8 .

*Note: Fragment sizes are estimates; the apparent sum of all fragment sizes for a given digest may not equal the actual size of the plasmid due to number rounding.

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DsRed-Monomer: This product is covered under U.S. Patent No. 7,250,298.

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