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**PRODUCT: pmRaspberry Vector**

<b>CATALOG NO.</b>	<b>AMOUNT</b>	<b>DESCRIPTION</b>
632526	20 µg	pmRaspberry encodes mRaspberry, a mutant derived from the tetrameric <i>Discosoma sp.</i> red fluorescent protein, DsRed. In this vector, the mRaspberry coding sequence is flanked by MCS regions, making it easy to excise the gene for use in other cloning applications. pmRaspberry is primarily intended to serve as a source of mRaspberry cDNA.
<b>LOT NUMBER</b>	Specified on product label.	
<b>STORAGE BUFFER</b>	10 mM Tris-HCl (pH 8.0) 1 mM EDTA (pH 8.0)	
<b>STORAGE CONDITIONS</b>	<ul style="list-style-type: none"><li>• Store plasmid at -20°C.</li><li>• Spin briefly to recover contents.</li><li>• Avoid repeated freeze/thaw cycles.</li></ul>	<b>CONCENTRATION:</b> 500 ng/µl
<b>SHELF LIFE</b>	1 year from date of receipt under proper storage conditions.	<b>PLASMID SIZE:</b> 3.3 kb
<b>SHIPPING CONDITIONS</b>	Blue ice (4°C) or Dry ice (-70°C)	<b>CLONING SITES</b> AccI, ApaI, Asp718I, BamHI, BsiWI, EcoRI, HindIII, KpnI, NotI, Sal I, SmaI, SpeI, SphI, XmaI
		<b>ANTIBIOTIC RESISTANCE</b> Ampicillin (50 µg/ml) for propagation in <i>E. coli</i>
		<b>PACKAGE CONTENTS</b> 1 tube of pmRaspberry Vector
		<b>OTHER</b> Vector Information Packet (PT3977-5)

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

See back of page.

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(PA053849)

**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)
AgeI	3.3 kb
PstI	0.4 & 2.9 kb

- $A_{260}/A_{280}$ : 1.8 – 2.0

**NOTE**

Clontech is pleased to be able to offer researchers the Fruit Fluorescent Proteins that were developed in the laboratory of Dr. Roger Tsien at the University of California, San Diego. The Tsien group has published extensively on the characteristics and uses of these exciting products, and Clontech can provide you with a bibliography if you have any questions regarding their performance, structure, or applications. Clontech has not repeated the experiments conducted by the Tsien group. The genes, encoding the different proteins, are available in a bacterial source vector format.

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Living Colors Fluorescent Protein Products:

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