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**PRODUCT: pmCherry Vector**

<b>CATALOG NO.</b>	<b>AMOUNT</b>	<b>DESCRIPTION</b>
632522	20 µg	pmCherry encodes mCherry, a mutant derived from the tetrameric <i>Discosoma sp.</i> red fluorescent protein, DsRed. In this vector, the mCherry coding sequence is flanked by MCS regions, making it easy to excise the gene for use in other cloning applications. pmCherry is primarily intended to serve as a source of mCherry 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>SHELF LIFE</b>	1 year from date of receipt under proper storage conditions.	
<b>SHIPPING CONDITIONS</b>	Blue ice (4°C) or Dry ice (-70°C)	
<b>CONCENTRATION:</b>	500 ng/µl	
<b>PLASMID SIZE:</b>	3.3 kb	
<b>CLONING SITES</b>	AccI, AgeI, ApaI, Asp718, BamHI, BsiWI, EcoRI, HindIII, KpnI, NotI, SalI, 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 pmCherry Vector	
<b>OTHER</b>	Vector Information Packet (PT3973-5)	

**FOR RESEARCH USE ONLY**

**QUALITY CONTROL DATA**

See back of page.



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We recommend the following antibodies for use with mCherry:

- mCherry Monoclonal Antibody, Cat. No. 632543
- DsRed Polyclonal Antibody, Cat. No. 632496



(PA053845)

**QUALITY CONTROL DATA**

- Digestion with the indicated restriction enzymes produced fragments of the indicated sizes on a 0.8% agarose/EtBr gel:

<b>Enzyme(s)</b>	<b>Fragment(s)</b>
AgeI	3.3 kb
PstI	0.4 & 2.9 kb

- $A_{260}/A_{280}$ : 1.8 – 2.0

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