pmCherry-C1 is a mammalian expression vector designed to express a protein of interest fused to the C-terminus of mCherry, a mutant fluorescent protein derived from the tetrameric Discosoma sp. red fluorescent protein, DsRed. The unmodified vector can be used to express mCherry in mammalian cells.

**CONCENTRATION:** 500 ng/µl

**PLASMID SIZE:** 4.7 kb

**CLONING SITES**
Accl, Apal, Asp718, BamHI, BclI, BglII, BspEI, EcoRI, HindIII, KpnI, SacI, SacII, SalI, SmaI, XbaI, XhoI, Xmal

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

**PACKAGE CONTENTS**
1 tube of pmCherry-C1 Vector

**OTHER**
Vector Information Packet (PT3975-5)

**FOR RESEARCH USE ONLY**

**QUALITY CONTROL DATA**
See back of page.

We recommend the following antibodies for use with mCherry:

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

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

<table>
<thead>
<tr>
<th>Enzyme(s)</th>
<th>Fragment(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AgeI</td>
<td>4.7 kb</td>
</tr>
<tr>
<td>PstI</td>
<td>0.4 &amp; 4.3 kb</td>
</tr>
</tbody>
</table>

• $A_{260}/A_{280}$: 1.8 – 2.0