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**PRODUCT: ptdTomato Vector**

<b>CATALOG NO.</b>	<b>AMOUNT</b>	<b>DESCRIPTION</b>
632531	20 µg	ptdTomato encodes a tandem sequence of the dimeric red fluorescent protein, Tomato. In this vector, the tdTomato coding sequence is flanked by unique restriction sites at the 5' and 3' ends, making it easy to excise the sequence for transfer into another vector. The ptdTomato vector contains a <i>lac</i> promoter sequence, and therefore can be used to express tdTomato in <i>E. coli</i> . It is primarily intended to serve as a source of tdTomato 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> 4.0 kb
		<b>CLONING SITES</b>
		AccI, AgeI, Asp718, BamHI, EcoRI, HindIII, KpnI, NotI, Sall, Smal, XmaI
		<b>ANTIBIOTIC RESISTANCE</b>
		Ampicillin (100 µg/ml) for propagation in <i>E. coli</i>
		<b>PACKAGE CONTENTS</b>
		1 tube of ptdTomato Vector
		<b>OTHER</b>
		Vector Information Packet (PT4066-5)

**FOR RESEARCH USE ONLY**

**QUALITY CONTROL DATA**

See back of page.

We recommend the DsRed Polyclonal Antibody, Cat. No. 632496, for use with tdTomato.

Visit our website  
for more details!  
click here...



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(PA053853)

**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	4.0 kb
XbaI	1.4 & 2.6 kb

- $A_{260}/A_{280}$ : 1.8–2.0
- The identity of the plasmid was verified by sequencing.

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The DsRedMonomer and the Fruit Fluorescent Proteins are covered by one or more of the following U.S. Patents: 7,005,511; 7,157,566; 7,393,923 and 7,250,298.

Living Colors Fluorescent Protein Products:

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