PRODUCT: pDendra2-C Vector

CATALOG NO. 632546

AMOUNT: 20 µg

LOT NUMBER
Specified on product label.

STORAGE BUFFER
10 mM Tris-HCl (pH 8.0)
1 mM EDTA (pH 8.0)

STORAGE CONDITIONS
• 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
Dry ice (−70°C)

DESCRIPTION
pDendra2-C is a mammalian expression vector that encodes Dendra2, a green-to-red photoswitchable fluorescent protein derived from the octocoral Dendronephthya sp. An MCS at the 3’ end of the coding sequence makes it possible to insert a gene of interest in order to express it as a C-terminal fusion with Dendra2. The unmodified vector can be used to express Dendra2 in mammalian cells.

CONCENTRATION: 500 ng/µl

PLASMID SIZE: 4.7 kb

CLONING SITES:
ApaI, BamHI, EcoRI, HindIII, KpnI, PstI, SacI, SacII, SalI, Xhol

ANTIBIOTIC RESISTANCE:
Kanamycin (50 µg/ml) for propagation in E. coli DH5α.

PACKAGE CONTENTS
• 20 µg pDendra2-C Vector

PRODUCT USER MANUALS
User manuals for Clontech products are available for download at www.clontech.com/manuals. The following user manuals apply to this product:
• pDendra2-C Vector Information Packet (PT5023-5)
• Dendra2 Protocol-at-a-Glance (PT5019-2)

FOR RESEARCH USE ONLY

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>EcoRI</td>
<td>4.7 kb</td>
</tr>
<tr>
<td>SmaI</td>
<td>0.7 &amp; 4.0 kb</td>
</tr>
</tbody>
</table>

• A<sub>260</sub>/A<sub>280</sub>: 1.8–2.0

• Vector identity was confirmed by sequencing.
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This document has been reviewed and approved by the Clontech Quality Assurance Department.