PRODUCT:  pDsRed2-Peroxi Vector

CATALOG NO.  AMOUNT
632418    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
Blue ice (4°C) or
Dry ice (−70°C)

FOR RESEARCH USE ONLY

DESCRIPTION
pDsRed2-Peroxi encodes a fusion of Discosoma sp. red fluorescent protein (DsRed2) and the peroxisomal targeting signal 1 (PTS1). The PTS1 sequence is fused to the 3’-end of DsRed2 and encodes the tripeptide SKL, which targets the fusion protein to the matrix of peroxisomes. DsRed2 is human codon-optimized for high expression in mammalian cells. pDsRed2-Peroxi is designed for fluorescent labeling of peroxisomes.

CONCENTRATION:  500 ng/µl

PLASMID SIZE:  4.6 kb

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

PACKAGE CONTENTS
1 tube of pDsRed2-Peroxi Vector

OTHER
• Vector Information Packet (PT3634-5)

QUALITY CONTROL DATA
Please see back of page.
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>
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<tbody>
<tr>
<td>Stu I</td>
<td>3.2 &amp; 1.4 kb</td>
</tr>
<tr>
<td>Not I</td>
<td>4.6 kb</td>
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- $A_{260}/A_{280}$: 1.8 – 2.0
- The identity of this vector was confirmed by sequencing.