

## pDsRed2-Peroxi Vector

**Catalog No.**  
632418

**Amount**  
20 µg

**Lot Number**  
Specified on product label.

### 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.

### Package Contents

- 1 tube of pDsRed2-Peroxi Vector

### 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.

### Storage Buffer

- 10 mM Tris-HCl (pH 8.0), 1 mM EDTA (pH 8.0)

### Concentration

- 500 ng/µl

### Antibiotic Resistance

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

### Shipping Conditions

- Dry ice

### Product Documents

Documents for our products are available for download at [takarabio.com/manuals](http://takarabio.com/manuals)  
The following documents apply to this product:

- Vector Information Packet (PT3634-5)

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#### Takara Bio USA, Inc.

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## Quality Control Data

### Plasmid Identity & Purity

- 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>
StuI	3.2 & 1.4 kb
NotI	4.6 kb

- Vector identity was confirmed by sequencing.
- $A_{260}/A_{280}$ : 1.8–2.0

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

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### CATALOG NO.

632418

### NOTICE TO PURCHASER:

Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. Our products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without our prior written approval.

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### STATEMENT 24

DsRedExpress, DsRedExpress2, E2-Crimson, and HcRed are covered by one or more of the following U.S. Patent Nos. 7,157,565; 8,664,471; 8,679,749 and non-U.S. international equivalents in some countries.

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