

## pAmCyan1-C1 Vector

**Catalog No.**  
632441

**Amount**  
20 µg

**Lot Number**  
Specified on product label.

### Description

pAmCyan1-C1 is a human codon-optimized expression vector that encodes a variant of the *Anemonia majano* cyan fluorescent protein, AmCyan1, which has been engineered for brighter fluorescence and higher expression in mammalian cells. pAmCyan1-C1 allows genes cloned into the multiple cloning site (MCS) downstream of the *AmCyan1* coding sequence to be expressed as fusions to the C-terminus of the fluorescent protein. The unmodified vector will express AmCyan1 in mammalian cells.

### Package Contents

- 1 tube of pAmCyan1-C1 Vector

### Storage Conditions

- Store at -20°C
- Spin briefly to recover contents
- Avoid repeated freeze/thaw cycles

### Expiration Date

- Specified on product label.

### Storage Buffer

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

### Concentration

- 500 ng/µl

### Plasmid size

- 4.7 kb

### Cloning sites

- ApaI, BamHI, BglII, BspEI, EcoRI, HindIII, KpnI, SacI, SacII, SalI, SmaI, XbaI, XhoI, XmaI

### Antibiotic Resistance

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

### Shipping Conditions

- Dry ice

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#### Takara Bio USA, Inc.

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## 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:

- pAmCyan1-C1 Vector Information
- pAmCyan1-C1 Vector Sequence in Genbank Format

## 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>Enzymes</b>	<b>Fragments (kb)</b>
BglIII	4.7
BglII & AgeI	4.0 & 0.7

- $A_{260}/A_{280}$ : 1.8–2.0
- The presence of the correct protein variant was confirmed by sequencing.

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

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