

## pAcGFP1-Golgi Vector

**Catalog No.**  
632464

**Amount**  
20 µg

**Lot Number**  
Specified on product label.

### Description

The pAcGFP1-Golgi Vector encodes a fusion protein consisting of *Aequorea coerulescens* green fluorescent protein (AcGFP1) fused at its N-terminus to 81 amino acids of the precursor to the human beta 1,4-galactosyltransferase (GT). AcGFP1 protein is optimized for brighter fluorescence and higher expression in mammalian cells. pAcGFP1-Golgi can be used for specific labeling of the trans-medial region of the Golgi apparatus in mammalian cells.

- **Plasmid Size:** 4.9 kb
- **Antibiotic Resistance:** Kanamycin (50 µg/ml) for propagation in *E. coli* DH5α

### Package Contents

- 20 µg pAcGFP1-Golgi Vector (500 ng/µl)

### 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

### 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:

- pAcGFP1-Golgi Vector Information
- pAcGFP1-Golgi Vector Sequence in GenBank Format

# Certificate of Analysis

Cat. No. 632464

pAcGFP1-Golgi Vector

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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:

Vector	Enzymes	Fragments
pAcGFP1-Golgi Vector	AgeI	4.9 kb
	MscI	2.8 & 2.1 kb

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

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

## pAcGFP1-Golgi Vector

### CATALOG NO.

632464

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### STATEMENT 39

AcGFP is covered by U.S. Patent Numbers; 7,432,053, 7,667,016, 7,879,988 and 7,897,726.

### STATEMENT 72

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