

# Certificate of Analysis

## pJTI™ R4 EXP CMV-TO EmGFP pA Vector, 100 µg

**ThermoFisher**  
SCIENTIFIC

**Part Number:** A15005  
**Lot Number:** 185638A  
**Immediate Storage:** -20°C  
**Shipping Conditions:** dry ice

5781 Van Allen Way  
Carlsbad, CA 92008  
Phone: 760.603.7200  
www.thermofisher.com

### Description:

pJTI™ R4 EXP CMV-TO EmGFP pA Vector is designed for the inducible expression of Emerald Green Fluorescent Protein (EmGFP). The vector is intended for use as a positive control in a separate but parallel retargeting experiment with the retargeting construct containing your gene of interest into the R4 site of a Jump-In™ T-Rex™ parental cell line.

**Concentration:** 1.5 µg/µL, determined spectrophotometrically.

### Storage and Handling:

Immediately upon receipt store at -20°C. If properly stored at -20°C, this product is guaranteed for 6 months from date of purchase.

### Storage Buffer:

TE buffer, (pH 8.0).

### Protocol or Product Information Sheet:

Visit [www.lifetechnologies.com](http://www.lifetechnologies.com), search on the part number for the pJTI™ R4 EXP CMV-TO EmGFP pA Vector. Find the manuals tab and select the User Guide or Product Information Sheet. This document also contains information on the use and propagation of the pJTI™ R4 EXP CMV-TO EmGFP pA Vector.

## QUALITY ASSURANCE

### Lot Specific Testing

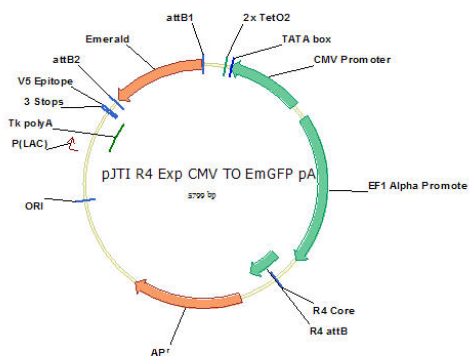
**Purity:** Based on A260/A280 = 1.80–2.00. **Pass**

**Plasmid Size:** Determined by comparison to 1 Kb Plus DNA Ladder (Life Technologies™ 10787-018) on an EtBr stained Argarose gel. **Pass**

**Sequence:** Functional elements confirmed by sequencing. **Pass**

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### Features of the pJTI™ R4 EXP CMV-TO EmGFP pA Vector.

5799 Nucleotides.

CMV promoter: bases 196-782 (c)

2X TetO2: bases 156-195 (c)

EF1a promoter: bases 902-2080

R4 attB; bases 2159-2453

Ampicillin resistance gene: bases 2605-3462

Tk pA: bases 4663-4934 (c)

EmGFP: bases 5067-5783 (c)

(c)\* complementary strand

The complete sequence of pJTI™ R4 EXP CMV-TO EmGFP pA Vector is available from [www.lifetechnologies.com](http://www.lifetechnologies.com) or by contacting Technical Support, dial 1-800-955-6288 or internationally 1-760-603-7200 select Technical Support and then Other Molecular Biology Products.

Chevoyn Joseph, Director, Quality

Date: 25/Jun/2025

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Jump-In™ is a trademark of Life Technologies Corporation.

T-REx™ is a trademark of Life Technologies Corporation.

For Research Use Only. Not for use in diagnostic procedures.

For questions, please contact our Technical Support Team

N. Am Ph#: 800-955-6288 or INTL Ph#: 760-603-7200, go to Technical Support and select Other Molecular Biology Products.