



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** Expression Vector (pJW4304)

**Catalog Number:** 7622

**Lot Number:** 020880

**Release Category:** B

**Provided:** 1 ml transformed DH5a (glycerol stocks). The plasmid carries a ColE1 origin, and a  $\beta$ -lactamase cassette. Growth in luria broth + 50  $\mu$ g/ml ampicillin is recommended.

**Cloning Vector:** The cloning vector is pJW4304. The size of the cloning vector is 5132 bp.

**Description:** This is an empty vector which has been utilized in DNA vaccines. Expression is driven by the CMV IE promoter (Towne isolate). The sequence has been mapped and is provided.  
[Click here to see the sequence file.](#)

**Special Characteristics:** This clone is unique due to the high level of expression upon transfection into mammalian cells in vivo.

**Recommended Storage:** -70°C.

**Contributor:** Drs. James Arthos, Laura Heath and James Mullins

**References:** Mossman SP, Bex F, Berglund P, Arthos J, O'Neil SP, Riley D, Maul DH, Bruck C, Momin P, Burny A, Fultz PN, Mullins JI, Liljestrom P, Hoover EA. Protection against lethal simian immunodeficiency virus SIVsmmPBj14 disease by a recombinant Semliki Forest virus gp160 vaccine and by a gp120 subunit vaccine. *J Virol* **70**:1953-1960, 1996.

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ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

Yasutomi Y, Robinson HL, Lu S, Mustafa F, Lekutis C, Arthos J, Mullins JI, Voss G, Manson K, Wyand M, Letvin NL. Simian immunodeficiency virus-specific cytotoxic T-lymphocyte induction through DNA vaccination of rhesus monkeys. *J Virol* **70**:678-681, 1996.

**NOTE:**

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: pJW4304 from Drs. James Arthos, Laura Heath and James Mullins (cat# 7622)." Also include the references cited above in any publications.

**Scientists at for-profit institutions or who intend commercial use of this reagent must contact the Office of Technology Licensing at the following email address: [brenda.martino@stanford.edu](mailto:brenda.martino@stanford.edu), before the reagent can be released.**

**Last Updated**

July 12, 2018

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