

***Toxoplasma gondii*, Strain RH(EP) Lambda
(λ) Phage cDNA Library**

Catalog No. ARP-2861

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Lot No. 95041

Manufacturing Date: Unknown; before 1998

For research use only. Not for human use.

Contributor:

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Manufacturer:

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Product Description:

ARP-2861 is a complementary DNA (cDNA) library prepared in a bacteriophage vector λDASH II (Stratagene) using mRNA from *Toxoplasma gondii* (*T. gondii*), strain RH(EP) (BEI Resources ARP-2859). A mixture of two independent cDNA syntheses were prepared using either AMV- or MuLV-reverse transcriptase, primed with a T-tailed *Xho*I oligonucleotide, directionally cloned from *Eco*RI to *Xho*I, packaged using Gigapack Gold (Stratagene), and amplified as plate lysate in *Escherichia coli* XL1-Blue according to the manufacturer's recommendations.

ARP-2861 contains approximately 2×10^6 independent recombinants with an average insert size of 500 to 4000 base pairs. Another version of this cDNA library, produced using mRNA from *T. gondii*, strain RH (BEI Resources ARP-1896) is available and may be more suitable for certain applications.

Material Provided:

Each vial contains approximately 0.5 mL of transformed λ phage in suspension medium containing 7% dimethylsulfoxide (DMSO).

Packaging/Storage:

ARP-2861 was packaged aseptically in plastic cryovials. The product is provided frozen on dry ice and should be stored at -80°C or colder immediately upon arrival.

Note: Do not thaw vial. Scrape the surface of the frozen aliquot and disperse in ice cold suspension medium. After titration, return to this suspension (maintained at 4°C) to prepare appropriate dilutions.

Citation:

Acknowledgment for publications should read "The following reagent was provided by the NIH AIDS Reagent Program for distribution by BEI Resources, NIAID, NIH: *Toxoplasma gondii*, Strain RH(EP) Lambda (λ) Phage cDNA Library, ARP-2861, contributed by Dr. David S. Roos."

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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References:

1. Roos, D. S., et al. "Molecular Tools for the Genetic Dissection of the Protozoan Parasite *Toxoplasma gondii*." Methods Cell Biol. 45 (1994): 27-63. PubMed: 7707991.

2. Pfferkorn, E. R. and S. E. Borotz. "*Toxoplasma gondii*: Characterization of a Mutant Resistant to 6-Thioxanthine." Exp. Parasitol. 79 (1994): 374-382. PubMed: 7957757.

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