



NIH AIDS Reagent Program

20301 Century Boulevard
Building 6, Suite 200
Germantown, MD 20874
USA

Phone: 240 686 4740
Fax: 301 515 4015
aidsreagent.org

DATA SHEET

Reagent: Human T4 cDNA (pT4B)

Catalog Number: 157

Lot Number: 098272

Release Category: C

Provided: 0.68 µg of dried purified DNA stabilized in DNastable *PLUS*

Cloning Vector: pSP65
Ampicillin resistant

Cloning Site: EcoRI/BamHI cloning site
The size of the insert is 2907 bp.

GenBank: [M12807.1](#)

Host Strain: Plasmids can be propagated in STBL2 cells and grown at 37°C. Larger plasmids may benefit from growth at 30°C. This construct may also be grown in other competent cells.

Description: The cDNA insert encodes the CD4 receptor of human T lymphocytes of which 1377 bp is the coding sequence. The insert contains a 5' EcoRI restriction site and a 3' BamHI site. Transcription is driven by an SP6 promoter.

Special Characteristics: This construct is 5892 bp including the insert.
The cDNA insert has been subcloned into eukaryotic expression vectors to convert CD4- fibroblasts to the CD4+ phenotype. The expressed CD4 is identical to native CD4. Source of Pro Virus: cDNA library made from peripheral human T lymphocytes.

[Contributor Provided Plasmid Map](#)
[Plasmid map and sequence file lot 098272](#)

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.

This reagent is currently being provided as dried purified DNA stabilized in DNASTable PLUS. Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents. [Dried DNA Notice](#)

Recommended Storage:

Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.

Contributor:

Dr. Richard Axel.

References:

Maddon PJ, Littman DR, Godfrey M, Maddon DE, Chess L, Axel, R. The isolation and nucleotide sequence of a cDNA encoding the T cell surface protein T4: A new member of the immunoglobulin gene family. *Cell* **42**:93-104, 1985.

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Human T4 cDNA (pT4B) from Dr. Richard Axel." Also include the reference cited above in any publications.

Last Updated:

June 26, 2017

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