



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 CD4 Expression Vector (pET28a/G6A-CD4D12)
Catalog Number:	12779
Lot Number:	150371
Release Category:	B
Provided:	5 µg of dried purified DNA stabilized in DNASTable <i>PLUS</i>
Cloning Vector:	pET28a(+) Kanamycin resistant
Description:	This expression vector produces an <i>E. coli</i> codon optimized G6A-CD4D12 protein.
Special Characteristics:	<p>This construct is 5841 bp including the insert.</p> <p>This construct produces the first two domains of CD4 with a site mutation that results in increased stability and relative yield as compared to the wild-type. The protein bears an N-terminal His-tag. Catalog # 12778 (Human CD4 Expression Vector (pET28a/wtCD4D12)) is also available.</p> <p>CD4D12 protein preparation protocol</p> <p>Donor provided map and sequence</p> <p>Donor provided .dna file with annotated sequence</p> <p>Plasmid map and sequence file lot 150371</p> <p>This reagent is currently being provided as dried purified DNA stabilized in DNASTable <i>PLUS</i>. Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents. Dried DNA Notice</p>
Recommended Storage:	Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.

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.

Contributor: Dr. Raghavan Varadarajan

References: Saha P, Barua B, Bhattacharyya S, Balamurali MM, Schief WR, Baker D, Varadarajan R. Design and characterization of stabilized derivatives of human CD4D12 and CD4D1. *Biochemistry*. 2011 Sep 20;50(37):7891-900. doi:10.1021/bi200870r. Epub 2011 Aug 23. PMID: [21827143](#).

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Human CD4 Expression Vector (pET28a/G6A-CD4D12) from Dr. Raghavan Varadarajan." Also include the appropriate references cited above in any publications.

Last Updated: September 12, 2017

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