



NIH AIDS Reagent Program

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DATA SHEET

Reagent: Human CD4-Ig Expression Vector

Catalog Number: 12960

Lot Number: 160210

Release Category: C

Provided: 5 µg of dried purified DNA stabilized in DNastable *Plus*

Cloning Site: XbaI/HindIII cloning site
The size of the insert is 1291 bp.

Cloning Vector: pcDNA3.1(-)
Ampicillin resistant and kanamycin/neomycin resistant

Description: DNA encoding the first two domains of human CD4 fused with human IgG1 hinge and Fc regions cloned into the expression vector pcDNA3.1

Special Characteristics: This construct is 6641 bp including the insert.
Propagate in STBL2 cells grown at 30°C. May also be grown in DH5α and TOP10 cells.
The CD4-Ig protein can be expressed in 293F cells and secreted into the culture supernatant. The expressed soluble CD4-Ig protein is a dimer and can be affinity purified using recombinant protein A via Fc.
[Contributor provided map and sequence information](#)
[Plasmid map and sequence file lot 160210](#)
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](#)

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.

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

Contributor: Dr. Xueling Wu

References: Jia, M., Lu, H., Markowitz, M., Cheng-Mayer, C., & Wu, X. (2016). Development of Broadly Neutralizing Antibodies and Their Mapping by Monomeric gp120 in Human Immunodeficiency Virus Type 1-Infected Humans and Simian-Human Immunodeficiency Virus SHIVSF162P3N-Infected Macaques. *J Virol*, 90(8), 4017-4031. doi: 10.1128/JVI.02898-15 [PUBMED](#)

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Human CD4-Ig Expression Vector from Dr. Xueling Wu (cat# 12960)." 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 Transfer, Email: mta@rockefeller.edu, before the reagent can be released. Please specify the name and a description of the intended use of the reagent.

Last Updated: July 26, 2018

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