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DATA SHEET

Reagent: HIV-1 gp120 Recombinant Protein (C.1086 D7gp120)

Catalog Number: 12582

Lot Number: 140178

Provided: 50 µg of protein at 1.0 mg/mL in phosphate buffered saline, pH 7.4.

Purity: >90% on a reducing gel.

Description: This subtype C Env gp120 subunit is derived from an individual acutely infected with HIV. The first 7 amino acids at the N-terminus of the mature Env protein have been deleted.

Special Characteristics: This protein was produced in 293F cells by transient transfection, purified using lectin chromatography and filtered using 0.2 µm filtration.
[Protein sequences for Catalog numbers 12567-12582.](#)

Recommended Storage: -80°C.

Contributor: Duke Human Vaccine Institute, Duke University Medical Center

References: Liao, H. X., Bonsignori, M., Alam, S. M., McLellan, J. S., Tomaras, G. D., Moody, M. A., Kozink, D. M., Hwang, K. K., Chen, X., Tsao, C. Y., Liu, P., Lu, X., Parks, R. J., Montefiori, D. C., Ferrari, G., Pollara, J., Rao, M., Peachman, K. K., Santra, S., Letvin, N. L., Karasavvas, N., Yang, Z. Y., Dai, K., Pancera, M., Gorman, J., Wiehe, K., Nicely, N. I., Rerks-Ngarm, S., Nitayaphan, S., Kaewkungwal, J., Pitisuttithum, P., Tartaglia, J., Sinangil, F., Kim, J. H., Michael, N. L., Kepler, T. B., Kwong, P. D., Mascola, J. R., Nabel, G. J., Pinter, A., Zolla-Pazner, S. & Haynes, B. F. (2013). Vaccine induction of antibodies against a structurally heterogeneous site of immune pressure within HIV-1 envelope protein variable regions 1 and 2. *Immunity* 38, 176-86.

Alam, S. M., Liao, H. X., Tomaras, G. D., Bonsignori, M., Tsao, C. Y., Hwang, K. K., Chen, H., Lloyd, K. E., Bowman, C., Sutherland, L., Jeffries, T. L., Jr., Kozink, D. M., Stewart, S., Anast, K., Jaeger, F. H., Parks, R., Yates, N. L., Overman, R. G., Sinangil, F., Berman, P. W., Pitisuttithum, P., Kaewkungwal, J., Nitayaphan, S., Karasavva, N., Rerks-Ngarm, S., Kim, J. H., Michael, N. L., Zolla-Pazner, S., Santra, S., Letvin, N. L., Harrison, S. C. &

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.

Haynes, B. F. (2013). Antigenicity and immunogenicity of RV144 vaccine AIDSVAX clade E envelope immunogen is enhanced by a gp120 N-terminal deletion. J Virol 87, 1554-68.

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 gp120 Recombinant Protein (C.1086 D7gp120) from Drs. Barton F. Haynes and Hua-Xin Liao." Also include the references cited above in any publication.

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