



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	HIV-1 JRFL gp140 Recombinant Protein (B.JRFL gp140CF)
Catalog Number:	12573
Lot Number:	140169
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 B Env gp140 subunit is derived from an individual chronically infected with HIV. The cleavage site between gp120 and gp41 and the fusion domain 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. <i>Immunity</i> 38, 176-86. Liao, H.X., Tsao, C. Y., Alam, S. M., Muldoon, M., Vandergrift, N., Ma, B. J., Lu, X., Sutherland, L. L., Screece, R.M., Bowman, C., Parks, R., Chen, H., Blinn, J.H., Lapedes, A., Watson, S., Xia, S.M. Foulger, A., Hahn, B. H., Shaw, G. M., Swanstrom, R., Montefiori, D. C., Gao, F., Haynes, B. F. & Kober, B. (2013). Antigenicity and immunogenicity of transmitted/founder, consensus, and chronic envelope glycoproteins of

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.

human immunodeficiency virus type 1. J VIROL 87, 4185-201.

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 JRFL gp140 Recombinant Protein (B.JRFL gp140CF) from Drs. Barton F. Haynes and Hua-Xin Liao." Also include the references cited above in any publication.

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October 05, 2017

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