



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	HIV-1 SF162 gp140 Trimer Recombinant Protein
Catalog Number:	12026
Lot Number:	110222
Provided:	25 µg purified protein, at 1 mg/mL in PBS.
Molecular Weight:	420 kDa
Purity:	>95% as determined by SDS-PAGE. QC gel
Description:	The SF162 gp140 trimer is derived from the surface glycoprotein (gp160) of a clade B virus isolated from the cerebrospinal fluid of a chronically infected HIV-1 patient [1]. Gp160 was truncated at the transmembrane domain to make a soluble version and the cleavage site between gp41 (transmembrane domain) and gp120 (soluble surface domain) was mutagenized to make a fused gp140 protein. The protein was produced in mammalian HEK 293F [2].
Special Characteristics:	Suitable for ELISA, western blot, etc.
Recommended Storage:	-20°C to -80°C
Contributor:	Dr. Leo Stamatatos
References:	<ol style="list-style-type: none">1. Cheng-Mayer C, Weiss C, Seto D, and Levy JA. Isolates of human immunodeficiency virus type 1 from the brain may constitute a special group of the AIDS virus. <i>Proc Natl Acad Sci U S A</i>. 1989 Nov;86(21):8575-9.2. Sellhorn G, Caldwell Z, Mineart C, and Stamatatos L. Improving the expression of recombinant soluble HIV Envelope glycoproteins using pseudo-stable transient transfection. <i>Vaccine</i>. 2009 Dec 11;28(2):430-6.

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.

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 SF162 gp140 Trimer Recombinant Protein, from Dr. Leo Stamatatos." Also include the reference cited above in any publications.

Limited to 2 aliquots per registrant.

Not available for release to commercial organizations. Recipient must not use or incorporate the reagent for commercial purposes.

Last Updated:

January 15, 2016

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