



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	HIV-1 SF162 gp140 Trimer Recombinant Protein
<b>Catalog Number:</b>	12026
<b>Lot Number:</b>	130301
<b>Provided:</b>	50 µg purified protein, at 1.01 mg/mL in PBS and 0.02% Sodium Azide.
<b>Molecular Weight:</b>	420 kDa
<b>Purity:</b>	>95% as determined by SDS-PAGE.
<b>Special Characteristics:</b>	Suitable for ELISA, western blot, etc. Produced in HEK-293T cells.
<b>Recommended Storage:</b>	-20°C to -80°C
<b>Contributor:</b>	Dr. Leo Stamatatos
<b>References:</b>	<ol style="list-style-type: none"><li>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.</li><li>2. Stamatatos L1, Wiskerchen M, Cheng-Mayer C. Effect of major deletions in the V1 and V2 loops of a macrophage-tropic HIV type 1 isolate on viral envelope structure, cell entry, and replication. <i>AIDS Res Hum Retroviruses</i>. 1998 Sep 1;14(13):1129-39.</li><li>3. Stamatatos L, Lim M, Cheng-Mayer C. Generation and structural analysis of soluble oligomeric gp140 envelope proteins derived from neutralization-resistant and neutralization-susceptible primary HIV type 1 isolates. <i>AIDS Res Hum Retroviruses</i>. 2000 Jul 1;16(10):981-94.</li><li>4. 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.</li></ol>

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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.

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**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:**

November 28, 2016

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