



## DATA SHEET

**For research use only. Not for use in humans.**

<b>Reagent:</b>	Human Immunodeficiency Virus Type 1 MN gp41 Protein, Recombinant from <i>Escherichia coli</i>
<b>Catalog Number:</b>	ARP-12027
<b>Lot Number:</b>	170235
<b>Release Category:</b>	A
<b>Provided:</b>	Each vial contains approximately 50 micrograms of ARP-12027 in 10 mM Tris, pH 8.0, 0.002% SDS at a concentration of 1 mg per mL. Purity was > 98% as determined by SDS-PAGE, reduced.
<b>Description:</b>	ARP-12027 is a recombinant protein fragment of human immunodeficiency virus Type 1 (HIV-1) MN envelope protein, gp 41. This truncated envelope protein is produced in an <i>Escherichia coli</i> expression system and purified by affinity chromatography and preparative electrophoresis.
<b>Special Characteristics:</b>	The molecular weight of ARP-12027 is approximately 35 kilodaltons. This protein binds to murine monoclonal antibodies of defined epitope specificity and HIV-1 converted human serum polyclonal antibodies in ELISA and western blot.
<b>Recommended Storage:</b>	ARP-12027 should be stored at -80°C or colder immediately upon arrival. Avoid freeze-thaw cycles as reagent degradation may result.
<b>Contributor:</b>	DAIDS, NIAID (produced by ImmunoDX, LLC)
<b>Citation:</b>	Acknowledgment for publications should read "The following reagent was obtained through the NIH HIV Reagent Program, Division of AIDS, NIAID, NIH: Human Immunodeficiency Virus Type 1 MN gp41 Protein, Recombinant from <i>Escherichia coli</i> , ARP-12027, contributed by DAIDS, NIAID; produced by ImmunoDX, LLC."
<b>Biosafety Level: 1</b>	Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. <u><a href="#">Biosafety in Microbiological and Biomedical Laboratories</a></u> . 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see <u><a href="http://www.cdc.gov/biosafety/publications/bmbl5/index.htm">www.cdc.gov/biosafety/publications/bmbl5/index.htm</a></u> .
<b>Disclaimers:</b>	<p>You are authorized to use this product for research use only. It is not intended for use in humans.</p> <p>Use of this product is subject to the terms and conditions of the NIH HIV Reagent Program Material Transfer Agreement (MTA). The MTA is available on our Web site at <u><a href="http://www.hivreagentprogram.org">www.hivreagentprogram.org</a></u>.</p> <p>While the NIH HIV Reagent Program uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.</p> <p>This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to the NIH HIV Reagent Program are not liable for damages arising from the misidentification or misrepresentation of products.</p>



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