



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	HIV-1 p66/p51 Reverse Transcriptase Recombinant Protein
<b>Catalog Number:</b>	3555
<b>Lot Number:</b>	190118
<b>Provided:</b>	25 µg of purified protein at 1 mg/mL in 50 mM Tris-HCl, pH 7.0, 25 mM NaCl, 1 mM EDTA, 50% (v/v) Glycerol
<b>Molecular Weight:</b>	Dimer: 66 kDa/51 kDa
<b>Purity:</b>	>95% by Coomassie Blue staining
<b>Description:</b>	A full length HIV-1 p66/p51 heterodimeric reverse transcriptase recombinant protein derived from a patient sample
<b>Special Characteristics:</b>	<p>This HIV-1 reverse transcriptase protein is produced in an E. coli expression system and purified via IMAC, cation exchange and size exclusion chromatography. The protein corresponds to native heterodimeric RT, contains an N-terminal 6XHis-tag on each subunit and is non-glycosylated. The integrity of the protein is determined immunologically with anti-RT antibodies. This protein can also be used for antibody production.</p> <p><a href="#">Donor provided sequence</a></p>
<b>Recommended Storage:</b>	Keep the reagent at -80°C. Avoid freeze-thaw cycles as reagent degradation may result.
<b>Contributor:</b>	Dr. Stuart Le Grice and Dr. Jennifer T. Miller
<b>References:</b>	Le Grice, S. F., C. E. Cameron and S. J. Benkovic. (1995). Purification and characterization of human immunodeficiency virus type 1 reverse transcriptase. <i>Methods Enzymol</i> , 262, 130-44. <a href="#">PUBMED</a>

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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.

**NOTE:**

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 p66/p51 Reverse Transcriptase Recombinant Protein from Dr. Stuart Le Grice and Dr. Jennifer T. Miller (cat# 3555)." Also include the reference cited above in any publications.

**Limited to two aliquots per lab per year. Larger amounts can be obtained upon request from the contributor.**

**Scientists at for-profit institutions or who intend commercial use of this reagent must contact the Director of Contracts and Tangible assets, Email: [stacy.fening@case.edu](mailto:stacy.fening@case.edu), before the reagent can be released. Please specify the name and a description of the intended use of the reagent.**

**Last Updated:**

November 11, 2020

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