



## NIH AIDS Reagent Program

20301 Century Boulevard  
Building 6, Suite 200  
Germantown, MD 20874  
USA

Phone: 240 686 4740  
Fax: 301 515 4015  
aidsreagent.org

### DATA SHEET

<b>Reagent:</b>	HIV-1 p66/p51 Reverse Transcriptase Recombinant Protein
<b>Catalog Number:</b>	3555
<b>Lot Number:</b>	120076
<b>Provided:</b>	25 µg in 50 mM Tris-HCl (pH 7.0), 25 mM NaCl, 1 mM EDTA, 50% (v/v) glycerol. The concentration is 1.2 mg/ml.
<b>Molecular Weight:</b>	Dimer: 66 kDa/51 kDa.
<b>Description:</b>	This reverse transcriptase (RT) heterodimer is produced by using a bacterial expression system that expresses both p66 RT and protease (PR). PR acts on a ratio of p66 to produce p51. Together, p66 and p51 interact with each other, resulting in the heterodimer.
<b>Special Characteristics:</b>	Corresponds to native RT, with a histidine-tagged amino terminus. Stable to freeze-thaws.
<b>Recommended Storage:</b>	Keep 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 SFL, Cameron CE, Benkovic SJ. Purification of retroviral reverse transcriptase. DNA Replication. <i>Meth Enzymol</i> , Vol 262, Academic Press, NY, 1995.
<b>NOTE:</b>	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." Also include the reference cited above in any publications.  Large quantities (>100 µg) should be requested directly from the donor.
<b>Last Updated:</b>	February 02, 2016

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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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