



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	HIV-1 _{NL4-3} Integrase Protein (F185H/C280S)
Catalog Number:	9420
Lot Number:	140354
Provided:	50 µg (1 mg/ml) in 1 M NaCl, 20 mM Hepes pH 7.5, 100 µM ZnCl ₂ , 2 mM DTT, 10% glycerol.
Molecular Weight:	33 kDa
Purity:	>95%.
Special Characteristics:	Contains the amino acid substitutions F185H. Like the F185K mutation (<i>J Biol Chem</i> 271 :7712, 1996), the F185H mutation makes the protein more soluble without affecting <i>in vitro</i> activity. The protein is stable to multiple cycles of freeze/thaw, but aliquoting of the stock solution after dilution is recommended to minimize the number of freeze/thaw cycles. Production: Produced in <i>E. coli</i> by expression of pIN(F185H/C280S). The polyhistidine tag was removed after purification by cleavage with thrombin, leaving the additional amino acids GSHM at the amino terminus.
Recommended Storage:	-70°C.
Contributor:	Dr. Robert Craigie.
References:	Li M, Craigie R. Processing of viral DNA ends channels the HIV-1 integration reaction to concerted integration. <i>J Biol Chem.</i> 2005;280(32):29334-9.
NOTE:	Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1NL4-3 Integrase Protein (F185H/C280S) from Dr. Robert Craigie." Limited to one aliquot per year.

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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