



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	HIV-1 BH10 Pol Expression Vector (pPolo)
<b>Catalog Number:</b>	238
<b>Lot Number:</b>	180270
<b>Release Category:</b>	A
<b>Provided:</b>	5 µg of dried purified DNA stabilized in DNASTable <i>Plus</i>
<b>Cloning Site:</b>	BglII cloning site The insert is approximately 4978 bp.
<b>Cloning Vector:</b>	pExc13, a derivative of pBR322 Ampicillin resistant
<b>Description:</b>	An expression vector which produces HIV-1 subtype B BH10 Pol protein.
<b>Special Characteristics:</b>	This construct is 11380 bp including the insert. This plasmid expresses Pol derived from HIV-1 BH10 extending from nt. 2093-7071. The Pol ORF extends from nt. 2093-5126. <a href="#">Contributor provided plasmid map</a> Plasmids can be propagated in STBL2 cells and grown at 37°C. Larger plasmids may benefit from growth at 30°C. This construct may also be grown in other competent cells. This reagent is currently being provided as dried purified DNA stabilized in DNASTable <i>PLUS</i> . Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents. <a href="#">Dried DNA Notice</a>
<b>Recommended Storage:</b>	Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.

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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.

**Contributor:** Dr. Bruce Korant

**References:** Danley, D. E., Geoghegan, K. F., Scheld, K. G., Lee, S. E., Merson, J. R., Hawrylik, S. J., Rickett, G. A., Ammirati, M. J. and Hobart, P. M. (1989). Crystallizable HIV-1 protease derived from expression of the viral pol gene in Escherichia coli. *Biochem Biophys Res Commun*, 165(3), 1043-50. [PUBMED](#)

Ivanoff, L. A., Towatari, T., Ray, J., Korant, B. D. and Petteway, S. R., Jr. (1986). Expression and site-specific mutagenesis of the poliovirus 3C protease in Escherichia coli. *Proc Natl Acad Sci U S A*, 83(15), 5392-6. [PUBMED](#)

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 BH10 Pol Expression Vector (pPolo) from Dr. Bruce Korant (cat# 238)." Also include the references cited above in any publications.

**Last Updated:** November 13, 2019

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