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DATA SHEET

Reagent:	HIV-1 BH10 Pol Expression Vector (pPolo)
Catalog Number:	238
Lot Number:	1934
Release Category:	A
Provided:	1 ml (6.8 x 10^9) of ampicillin-resistant transformed HB101 bacteria. Cells are suspended in LB medium supplemented with 50 µg/ml ampicillin and 15% glycerol.
Description:	Derived from BH10. Contains a 4978 bp BglII insert (nt 2093-7071) cloned into pEXc13, a pBR322 derivative. Pol ORF extends from nt 2093-5126.
Special Characteristics:	Contains a BglII insert of 4978 bp from HIV-1BH10, seq. 2093-7071 cloned into pExc13 (derived from pBR322). Pol ORF extends from 2093-5126. Contains ampr marker. Pol sequences are induced following removal of tryptophan from growing cultures. Induced proteins are detected optimally 2-3 hours after induction (37°C). Produces protease and reverse transcriptase. Plasmid Map
Recommended Storage:	-70°C.
Contributor:	Dr. Bruce Korant.
References:	Danley DE, Geoghegan KF, Scheld KG, Lee S, Merson JR, Hawrylik SJ, Rickett GA, Ammirati MJ, Hobart PM. Crystallizable HIV-1 protease derived from expression of the viral *pol gene in Escherichia coli. Biochem Biophys Res Commun* **165**:1043-1050, 1989.

Ivanoff LA, Towatari T, Ray J, Korant BD, Petteway SR Jr. Expression and site-specific mutagenesis of the poliovirus 3C protease in *Escherichia coli. Proc Natl Acad Sci USA* **83**:5392-5396, 1986.

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: August 01, 2018