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DATA SHEET

Reagent:	pSG3.1
Catalog Number:	2003
Lot Number:	022517
Release Category:	C
Provided:	1 vial ampicillin-resistant transformed JM109 bacteria.
Cloning Vector:	pTZ19U.
Cloning Site:	*Bam*HI-*Eco*RI; reverse orientation (3'-5') to polylinker sequence.
Gene Bank:	L02317
Description:	Source of Pro Virus: PBMC from patient BC were briefly cocultured with normal PBMC, then passaged into HUT-78 cells. A λ phage library was constructed from a genomic library obtained from the infected culture. Replication-competent clone λSG3 was subcloned into the *Eco*RI site of pTZ19U, and a 4.4 kb *Bam*HI genomic flank was removed to produce pSG3.1. Image 1
Special Characteristics:	The insert is 12.5 kb in length. Contains 0.7 kb 3' and 2.0 kb 5' cellular flanking sequences. Produces infectious virus upon transfection into Cos-1 cells. SG3 virus readily infects most T-cell lines, induces large syncytia, and is highly cytopathic. The virus replicates readily in chimpanzee lymphocytes, and can infect and replicate in chimpanzees and SCID-hu mice *in vivo*.
Recommended Storage:	-70°C.
Contributor:	Drs. Sajal Ghosh, Beatrice Hahn, and George Shaw.

References:

Ghosh SK, Fultz PN, Keddie E, Saag MS, Sharp PM, Hahn BH, Shaw GM. A molecular clone of HIV-1 tropic and cytopathic for human and chimpanzee lymphocytes. *Virology* **194**:858-864, 1993.

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: pSG3.1 from Drs. Sajal Ghosh, Beatrice Hahn, and George Shaw." Also include the reference cited above in any publications.

Last Updated:

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