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DATA SHEET

Reagent:	SIV Tat Expression Vector (pCEP4SIVtat)
Catalog Number:	8124
Lot Number:	20 Aug 2002
Release Category:	C
Provided:	1 vial of transformed *E. coli* JM109 in LB with 15% glycerol.
Description:	SIVmne Tat expression driven by CMV IE promoter in vector pCEP4. SIVmne mRNA coding for Tat was amplified from *M. fascicularis* PBMC using RT-PCR with specific primers beginning at the AUG initiation codon and ending at the UAG stop codon. The SIV *tat* gene is 396 bases in length, comprised of exon 1 (1-296) and exon 2 (297-396). The complete SIV Tat gene PCR product was cloned into pCRII (Invitrogen) and then subcloned into pCEP4 (Invitrogen) between the *Xho*I and *Bam*HI sites. pCEP4SIVTat prokaryotic/eukaryotic vector description
Special Characteristics:	Expresses SIV Tat in eukaryotic cells after transfection. Can be made semi-permanent through maintenance of episomal plasmid by selection in hygromycin B. Expression of Tat can be indirectly measured by co-transfection with SIV or HIV LTR-ß-gal plasmid and measurement of ß-gal levels. Expression of Tat can be enhanced by cotransfection with plasmid expressing CMV IE protein (Peter Barry, UC, Davis). Reagent 293T-CEP4SIVtat (Cat# 8123) is a semi-permanent 293T cell line that constitutively expressed SIV Tat from this plasmid.
Recommended Storage:	-70°C.
Contributor:	Dr. Richard Grant.
References:	Grant RF, Stevens Y, Wright N, Agy M, Thouless M, Morton W. Stable SIV Tat Cell Lines Increase Expression Of Transfected Genes. *J Med Primatol* **28**:(abstract), 1999.

NOTE:	Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: SIV Tat Expression Vector (pCEP4SIVtat) from Dr. Richard Grant." Also include the reference cited above in any publications. **Requests from commercial organizations should be directed to Ariadna A. Santander, Program Operations Coordinator, Office of Technology Licensing, University of Washington, 1107 N.E 45th Street, Suite 200, Seattle, WA 98195.**
Last Updated:	July 03, 2018