



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	Human CD8 Expression Vector (pT8F1)
Catalog Number:	179
Lot Number:	1768
Release Category:	C
Provided:	1 ml (2.99×10^8) of ampicillin-resistant transformed HB101 bacteria. Cells are suspended in LB medium supplemented with 50 $\mu\text{g}/\text{ml}$ ampicillin and 15% glycerol.
Cloning Vector:	pSP65 Ampicillin resistant
Cloning Site:	EcoRI cloning site The size of the insert is approximately 1500 bp.
Description:	The cDNA insert is 1.5 kb and includes a 0.7 kb coding sequence. The insert encodes the CD8 receptor of human peripheral CD8 lymphocytes. Transcription is driven by an SP6 promoter.
Special Characteristics:	When placed in expression vectors and after transformation the cDNA converts CD8-fibroblasts to the CD8+ phenotype. The expressed CD8 is identical to native CD8. Source of Pro Virus: cDNA library prepared from human T cell leukemia cells, Fro 2.2.
Recommended Storage:	-70°C.
Contributor:	Dr. Richard Axel
References:	Littman, D. R., Thomas, Y., Maddon, P. J., Chess, L. and Axel, R. (1985). The isolation and sequence of the gene encoding T8: a molecule defining functional classes of T lymphocytes. <i>Cell</i> , 40(2), 237-46. PUBMED

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.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Human CD8 Expression Vector (pT8F1) from Dr. Richard Axel (cat# 179)." Also include the reference cited above in any publications.

Last Updated: November 13, 2019

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