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DATA SHEET

Reagent:	Human CD8 Expression Vector (T8-pMV7)
Catalog Number:	159
Lot Number:	PL-1714-101388
Release Category:	C
Provided:	1 ml (4.6 x 10^8 ampicillin-resistant transformed HB101 bacteria).
Description:	A 1.5 kb cDNA insert from pT8F1 (Catalog #179) was cloned into the EcoRI site of pMV7. pT8F1 encodes the human CD8 receptor and was originally cloned from the human T-cell leukemia Fro 2.2. T8-pMV7 contains two LTR repeats of Moloney murine sarcoma virus spanning a unique EcoRI site. Also contains the bacterial neomycin phosphotransferase gene (neo) fused to the HSV tk promoter, both located downstream of the cloning site. T8-pMV7 is a recombinant retroviral expression vector expressing the human CD8 receptor in mammalian cells. pMV7 contains two LTR repeats of Moloney murine sarcoma virus spanning a unique *Eco*RI cloning site. pMV7 also contains the bacterial neomycin phosphotransferase gene (neo) fused to the HSV thymidine kinase promoter (tk), both located downstream of the cloning site. Plasmid Map
Special Characteristics:	T8-pMV7 contains full length cDNA insert encoding CD8. Transfection of T8-pMV7 to a retrovirus helper cell line (AM or psi 2) results in the production of replication-defective recombinant retrovirus. The CD8 gene is also in pT8F1 (catalog #179).
Recommended Storage:	-70°C.
Contributor:	Dr. Richard Axel.

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.

References:

Maddon PJ, Dalgleish AG, McDouga, JS, Clapham PR, Weiss RA, Axel R. The T4 gene encodes the AIDS virus receptor and is expressed in the immune system and the brain. *Cell* **47**:333-348, 1986.

Kirschmeier PT, Housey GM, Johnson MD, Perkins AS, Weinstein IB. Construction and characterization of a retroviral vector demonstrating efficient expression of cloned cDNA sequences. *DNA* 7:219-225, 1988.

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 (T8-pMV7) from Dr. Richard Axel." Also include the references cited above in any publications.

Last Updated:

August 03, 2018

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