



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	Nef-ER Expressing Sup-T1 Cells (Clone 31)
Catalog Number:	6453
Lot Number:	098327
Release Category:	D
Provided:	5 x 10 ⁶ cells/mL. Viability is 96%.
Cell Type:	Sup-T1 cells
Propagation Medium:	RPMI 1640 supplemented with 10% fetal bovine serum, pen/strep/glutamine (GIBCO), 20 µM 2-mercaptoethanol, and 1.5 µg/mL puromycin.
Freeze Medium:	Fetal bovine serum, 90%; DMSO, 10%.
Growth Characteristics:	Split cells at 10 ⁶ cells/ml. The cells are a suspension cell line that grows in clumps.
Morphology:	Cells appear round in culture.
Sterility:	Negative for mycoplasma, bacteria and fungi.
Description:	Sup-T1 cells that express a chimeric Nef-estrogen receptor hormone-binding domain (Nef-ER) protein.
Special Characteristics:	Sup-T1 cells were transfected with Nef-ER-IRES-puro plasmid and stable clones were selected in puromycin at 1.5 µg/mL. Nef-ER is constitutively expressed, but is kept in an inactive state until membrane-permeable drug 4-hydroxytamoxifen (4-HT) is added. Cell line suited for the study of Nef function.

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.

Recommended Storage: Liquid nitrogen.

Contributor: Drs. Scott Walk, Kodi Ravichandran and David Rekosh.

References: Walk SF, Alexander M, Maier B, Hammarskjold M-L, Rekosh DM, Ravichandran KS. Design and use of an inducibly activated human immunodeficiency virus type 1 Nef to study immune modulation. *J Virol* **75**:834-843, 2001.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Nef-ER Expressing Sup-T1 Cells (Clone 31) from Drs. Scott Walk, Kodi Ravichandran and David Rekosh." Also include the reference cited above in any publications.

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