



## NIH AIDS Reagent Program

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### DATA SHEET

3 011382

**Reagent:** vCBYF1-fusin

**Catalog Number:** 3364

**Lot Number:**

**Provided:** 1 ml cell-free virus,  $10^{8.8}$  TCID<sub>50</sub>/ml

**Host or Recommended Host or Host Cells:** Virus stocks grown in HeLa S3 cells.

**Description:** Derived from WR parental vaccinia virus strain. Contains cDNA encoding CXCR4 (fusin). CXCR4 cDNA cloned into plasmid pSC59 which contains a synthetic vaccinia strong early/late promoter (Chakrabarti S, Sisler JR, Moss B. Compact, synthetic, vaccinia virus early/late promoter for protein expression. *BioTechniques* **23**:1094-1097, 1997). Vaccinia recombinant generated by homologous recombination into the TK locus, and selection for plaques using standard procedures.

**Special Characteristics:** Useful for expression of CXCR4 for HIV Env-mediated cell fusion assays, and for biochemical, immunologic, and functional studies.  
Sterility: Negative for bacteria, fungi, and mycoplasma.

**Recommended Storage:** -70degreeC.

**Contributor:** Dr. Christopher C. Broder, Paul E. Kennedy, and Dr. Edward A. Berger.

**References:** Feng Y, Broder CC, Kennedy P, Berger EA. HIV-1 entry cofactor: functional cDNA cloning of a seven-transmembrane, G protein-coupled receptor. *Science* **272**:872-877, 1996.

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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: vCBYF1-fusin from Dr. Christopher C. Broder, Paul E. Kennedy, and Dr. Edward A. Berger." Also include the reference cited above in any publications.

**The US Government has submitted a patent application on this reagent.**

**Scientists at for-profit institutions or who intend commercial use of this reagent must contact Dr. Sally Hu at the NIH Office of Technology Transfer, Email: [hus@mail.nih.gov](mailto:hus@mail.nih.gov), Phone: 301-435-5606, before the reagent can be released. Please specify the name and a description of the intended use of the reagent.**

**Last Updated:**

June 24, 2013

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