



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	SIV PBj 2-8-2 gp130 Secreting CHO Cells
<b>Catalog Number:</b>	4126
<b>Lot Number:</b>	302645
<b>Release Category:</b>	C
<b>Provided:</b>	1 x 10 <sup>6</sup> cells/mL.
<b>Propagation Medium:</b>	DMEM supplemented with 1% L-glutamine, 0.5% pen-strep, and 0.2% proline, 90%; fetal bovine serum, 10%. Selection can be imposed by addition of 1.0 mg/mL G418 and should be added when preparing cultures for freezing. G418 can be omitted when making large scale cultures for protein expression / purification. Alternatively cells can be grown in Alpha MEM media (without nucleosides) plus 10% dialyzed Fetal Bovine Serum, Pen/Strep/Glut and 80 nM methotrexate. For large scale production of protein cells are grown in the absence of selective agents.
<b>Freeze Medium:</b>	Propagation medium, 70%; fetal bovine serum, 20%; DMSO, 10%.
<b>Growth Characteristics:</b>	Split the cells before they become confluent. To harvest supernatant for protein, split at 1:5 such that the flask is 100% confluent after three days, and at this point harvest supernatant.
<b>Sterility:</b>	Negative for mycoplasma, bacteria, and fungi.
<b>Description:</b>	CHO cells that secrete the entire SIV PBj 2-8-2 gp130 minus the transmembrane region and carboxy-terminus of gp41
<b>Special Characteristics:</b>	The gp130/gp41 cleavage site is unaltered. The gp130 protein product is secreted from the cell. Protein can be purified using GNA lectin (yields are 20-60%).  <a href="#">Protocol:Purification of HIV Envelope Protein</a>

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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.

**Recommended Storage:**

Liquid nitrogen.

**Contributor:**

Dr. James Arthos.

**NOTE:**

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: SIV PBj 2-8-2 gp130 Secreting CHO Cells from Dr. James Arthos."

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

**Last Updated**

July 03, 2018

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