



## NIH AIDS Research & Reference Reagent Program

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### DATA SHEET

|                                 |  |
|---------------------------------|--|
| <b>Reagent:</b>                 | pcGNM2/TSG-F (TSG101)  |
| <b>Catalog Number:</b>          | 11483  |
| <b>Lot Number:</b>              | 1  |
| <b>Release Category:</b>        | C  |
| <b>Provided:</b>                | 0.5 µg/µL purified plasmid DNA.  |
| <b>Cloning Site:</b>            | XbaI and BamHI (Insert size, 1196bp).  |
| <b>Cloning Vector:</b>          | pcGNM2 (The size of the cloning vector, including insert, is 6230bp).  |
| <b>Description:</b>             | Full-length TSG101 expression vector. Constructed by transferring the TSG101 coding region from plasmid pGST2/TSG5 (provided by Z. Sun). For more details, see <i>Goila-Gaur et al. Goila-Gaur et al. (2003)</i> .<br><a href="#">Click here to see the sequence file.</a><br><a href="#">Click here to see the plasmid map.</a> |
| <b>Special Characteristics:</b> | Over expression of pcGNM2/TSG-F inhibits HIV-1 budding.  |
| <b>Recommended Storage:</b>     | 4°C or lower.  |
| <b>Contributor:</b>             | Dr. Eric Freed   |

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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.

**References:**

Goila-Gaur R, Demirov DG, Orenstein JM, Ono A, Freed EO. Defects in human immunodeficiency virus budding and endosomal sorting induced by TSG101 over expression. *J Virol.* 2003, **77** (11); 6507-19.

Demirov DG, Ono A, Orenstein JM, Freed EO. Over expression of the N-terminal domain of TSG101 inhibits HIV-1 budding by blocking late domain function. *Proc. Natl. Acad. Sci. USA*, 2002, **99** (2); 955-60.

**NOTE:**

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Research and Reference Reagent Program, Division of AIDS, NIAID, NIH: pcGNM2/TSG-F (Cat# 11483) from Dr. Eric Freed." Also include the references cited above in any publications.

**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**

August 10, 2011

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