

Data Sheet

NAME: pCAGGS SF162 gp160

REPOSITORY REFERENCE: ARP2125

PROVIDED: 5 µl containing approximately 4 µg plasmid DNA

CLONING SITE: 5'- EcoRI- BgIII -3'. The size of the insert is 3.3 kb.

CLONING VECTOR: The cloning vector is pCAGGS and the size of the cloning vector including the insert is 11.3 kb

DESCRIPTION: The SF162 gp160 insert was cut out of a SF162 3' half-genome clone as a 3.3 kb EcoRI-BgIII fragment (nt 1-3287) and cloned into the pCAGGS vector at the same sites. The plasmid has a CMV enhancer and a chicken β-actin promoter as well as an SV40 origin. It is ampicillin resistant.

SPECIAL CHARACTERISTICS: Co-transfection of 293T cells with NL4-3 env plasmid yields an HIV-1 pseudotype virus that is R5-tropic and susceptible to neutralization by multiple antibodies.

STORAGE: 4°C

SOURCE:

Drs. Leonidas Stamatatos and Cecilia Cheng-Mayer.
(courtesy of NIH AIDS Research & Reference Reagent Program)

REFERENCES:

Stamatatos L., Lim M. and Cheng-Mayer C. Generation and structural analysis of soluble oligomeric envelope proteins derived from neutralization-resistant and neutralization-susceptible primary HIV-1 isolates. *AIDS Res. And Hum. Retroviruses* **16**: 981-994, 2000.

Stamatatos L., Wiskerchen M. and Cheng-Mayer C. Effect of major deletions in the V1 and V2 loops of a macrophage-tropic HIV-1 isolate on viral envelope structure, cell-entry and replication. *AIDS Res. And Hum. Retroviruses* **14**: 1129-1139, 1998.

Cheng-Mayer C., Liu R., Landau N. R. and Stamatatos L. Macrophage tropism of human immunodeficiency virus type 1 and utilization of the CC- CKR5 coreceptor. *J. Virol.* **71**:1657-1661, 1997.

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Please also ensure that you send us a copy of any papers resulting from work using reagents acquired through CFAR (this can be electronically or as a paper copy)