Reagent: Protease- CHO Cells (CHO.K1.Prot-)

Catalog Number: 13575

Lot Number: 200275

Release Category: D

Provided: 600 µL of cells
Post thaw cell count = 2.99 x 10^6 cells/mL
Post thaw cell viability = 90%

Cell Type: Chinese hamster ovary cell line derived from CHO-K1 cells (ATCC)

Propagation Medium: CD OptiCHO Medium; 8mM Glutamax

Freeze Medium: Gibco Recovery™ Cell Culture Freezing Medium

Morphology: Adherent epithelial-like Cell Line

Sterility: Negative for mycoplasma, bacteria, and fungi

Description: Protease deficient CHO.K1 cell line.

Special Characteristics: Variant of CHO Cells (CHO.K1.UCSC) cat# 13589 where the protease gene has been inactivated by CRISPR/Cas9. This cell line minimizes proteolysis of clade B HIV-1 envelope proteins commonly observed in the production of monomeric gp120 and gp140 as well as gp140 trimers. It can be useful for transient transfections and stable cell line development.
Recommended Storage:
Keep the reagent in liquid nitrogen.

Contributor:
Dr. Phillip Berman

References:


NOTE:
Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Protease- CHO Cells (CHO.K1.Prot-) from Dr. Phillip Berman (cat# 13575)." Also include the references cited above in any publications.

Last Updated
November 04, 2020