### DATA SHEET

**Reagent:** MGAT1- CHO Cells (CHO.K1.MGAT1-)

**Catalog Number:** 13576

**Lot Number:** 200276

**Release Category:** D

**Provided:** 600 µL of cells

- Post thaw cell count = 4.72 x 10^6 cells/vial
- Post thaw cell viability = 62%

Cell viability increased to 93% after 12 days in culture.

**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:** MGAT1 deficient CHO.K1 cell line

**Special Characteristics:** Variant of CHO Cells (CHO.K1.UCSC) cat# 13589 where the MGAT1- gene has been inactivated by CRISPR/Cas9. This cell line limits N-linked glycosylation to primarily Mannose-5 as well as some earlier precursors in the N-linked glycosylation pathway. It can be useful for transient transfections and stable cell line development.

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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: 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: MGAT1- CHO Cells (CHO.K1.MGAT1-) from Dr. Phillip Berman (cat# 13576)." Also include the references cited above in any publications.

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