

Product sheet

GT1-7 | 305779

GT1-7

Description

GT1-7 is a rat GnRH cell line that expresses endogenous GnRH and various markers including VAMP-2, SNAP-25, GFAP, and others. It is used for studying GnRH signaling and function in the hypothalamus.

Organism Rat

Tissue Hypothalamus

GT1-7

Cell type GnRH

Growth properties Adherent

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Citation GT1-7 (Cytion 305779)

Biosafety level 1

NCBI_TaxID 10090

CellosaurusAccession CVCL_0281

GMO Status GMO-S1: SV40 large T-antigen driven GnRH expression

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Mutational profile

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Culture Medium DMEM, w: 4.5 g/L β -glucuronidase, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO₃, w: 1.0 mM β -mercaptoethanol (Cytion 820300a)

Supplements 10% FBS

Dissociation Reagent

Freeze medium 10% FBS, 10% DMSO

- 1. Thaw cells in a 37°C water bath.
- 2. Centrifuge cells at 300 x g for 3 minutes.
- 3. Resuspend cells in 15 ml of culture medium.
- 4. Seed cells into a T25 flask at 70% confluency.
- 5. Incubate cells for 15-18 hours.
- 6. Harvest cells at 300 x g for 3 minutes.
- 7. Resuspend cells in 10 ml of culture medium.
- 8. Seed cells into a T25 flask.

Incubation Atmosphere 37°C, 5% CO₂

Flask Coating None

Shipping Conditions -78°C

Storage Conditions -150°C

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Sterility

Das Produkt ist steril und kann für PCR-Analysen verwendet werden. Die Sterilität wird durch eine Ethylenoxid-Decontamination erreicht. Das Produkt ist für die Verwendung in PCR-Analysen geeignet. Die Sterilität wird durch eine Ethylenoxid-Decontamination erreicht. Das Produkt ist für die Verwendung in PCR-Analysen geeignet.