

HEK293T | 300189

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Description

HEK 293T is a cell line derived from HEK 293 cells, which were derived from the embryonic kidney of a human fetus. HEK 293T cells are a derivative of HEK 293 cells that have been immortalized by the expression of the SV40 large T antigen. HEK 293T cells are widely used in molecular biology and biotechnology for the production of recombinant proteins and for the study of gene expression and cellular signaling.

Organism

HEK293T

Tissue

HEK293T

Applications

HEK293T, HEK293T

Synonyms

Hek293T, HEK-293T, HEK-293T, HEK 293T, HEK-293-T, HEK 293 T, 293-T, 293 T, 293 T, 293 T, 293T, HEK 293T, HEK 293T, 293tsA1609neo

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Age

HEK293T

Gender

HEK293T

Morphology

HEK293T, HEK293T

Growth properties

HEK293T

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Citation

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Biosafety level

1

NCBI_TaxID

9606

CellosaurusAccession

CVCL_0063

Product sheet

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GMO Status GMO-S1: HEK293T SV40 T

Receptors expressed

Protein expression CEA p53

Tumorigenic

Culture Medium EMEM (MEM Eagle) 2 2.2 NaHCO3 EBSS (820100a)

Supplements 10 1

Dissociation Reagent

Doubling time 30

Subculturing PBS

Seeding density 1×10^4 4

Fluid renewal 2

Post-Thaw Recovery 24

Freeze medium FBS + 10% DMSO

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Thawing and Culturing Cells

1. Thaw the vial in a 37°C water bath. Transfer the cells to a pre-warmed T75 flask containing 10 ml of DMEM supplemented with 10% FBS.
2. Allow the cells to attach for 24 hours. Then, replace the medium with DMEM supplemented with 10% FBS.
3. After 24 hours, the medium should be replaced with DMEM supplemented with 10% FBS.
4. Once the cells are fully attached, the medium should be replaced with DMEM supplemented with 10% FBS.
5. After 24 hours, the medium should be replaced with DMEM supplemented with 10% FBS.
6. Once the cells are fully attached, the medium should be replaced with DMEM supplemented with 10% FBS.
7. After 24 hours, the medium should be replaced with DMEM supplemented with 10% FBS.
8. Once the cells are fully attached, the medium should be replaced with DMEM supplemented with 10% FBS.

Incubation Atmosphere 37 °C, 5% CO₂

Flask Coating None

Freezing Procedure Harvest cells into a 15 ml centrifuge tube. Wash with PBS. Pellet cells by centrifugation at 300 x g for 3 min. Resuspend the pellet in 1 ml of freezing medium (DMEM + 10% FBS + 10% DMSO) and transfer to a cryovial. Store at -80°C.

Shipping Conditions Dry ice

Storage Conditions -150 to -196 °C

HEK293T / HEK293T / HLA

Sterility Sterile