

Product sheet

HEK293-F | 300260

HEK293-F

Description HEK293-F is a cell line derived from HEK293 cells. It is a stable cell line that expresses the SV40 large T antigen. This cell line is used for the production of recombinant proteins and for the study of viral replication and protein expression.

Organism Homo sapiens

Tissue Embryonic kidney

Applications Protein production, viral production

Synonyms HK-293-F, HK 293-F, HK 293F, HK 293F, HK 293F, 293-F, 293 F, 293 F, 293 F, 293 F

HEK293-F

Age 1-3 months

Gender Male

Morphology Adherent, epithelial

Growth properties High growth rate, easy to maintain

HEK293-F

Citation HEK293-F (ATCC CRL-1573) (300260)

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_6642

GMO Status GMO-S1: HEK293-F cells containing SV40 large T antigen

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Receptors expressed	
Protein expression	CEA p53
Tumorigenic	
Viruses	5 DNA 5 DNA 5
HEK293-F	
Culture Medium	CD293
Supplements	1.0 1.0 1.0 1.0 1.0
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

HEK293-F | 300260

Thawing and Culturing Cells

1. Thaw the vial in a 37°C water bath.
2. Add the cell suspension to a pre-warmed flask containing 10 ml of growth medium.
3. Incubate the cells at 37°C in a humidified CO₂ incubator.
4. Monitor cell growth and confluency. Cells should reach 70% confluency within 7-10 days.
5. Once cells are confluent, harvest them for downstream applications.
6. Seed cells into a 300 x 300 mm flask at a density of 3 x 10⁶ cells per flask.
7. Incubate the cells at 37°C in a humidified CO₂ incubator.
8. Harvest cells when they reach 70-80% confluency.

Incubation Atmosphere 37 °C, 5% CO₂, humidified

Flask Coating No coating

Freezing Procedure Harvest cells at 70-80% confluency and freeze in liquid nitrogen.

Shipping Conditions Dry ice, -78°C

Storage Conditions -150 °C to -196 °C

HEK293-F / HEK293T / HLA

Sterility Sterility tested by PCR