

HEK293 EBNA | 300264

HEK293 EBNA

Description HEK293 EBNA is a derivative of HEK293 cells, which are a widely used cell line for the production of recombinant proteins. HEK293 EBNA cells are characterized by the presence of a latent Epstein-Barr virus (EBV) genome, which allows for the production of high yields of recombinant proteins. HEK293 EBNA cells are typically grown in the presence of antibiotics (penicillin and streptomycin) and are maintained in a serum-free medium.

Organism HEK293

Tissue HEK293 EBNA

Synonyms HEK293-EBNA, 293 c18, 293c18, HEK 293 c18, HEK-293 c18, HEK293-EBNA1, HEK-293-EBNA, HEK 293-EBNA, HEK 293 EBNA, HEK293EBNA, 293 EBNA, 293-EBNA1, 293-EBNA, 293/EBNA, 293EBNA, EBNA-293, EBNA293, HEK293E, HEK/EBNA, HEK-EBNA, HEK.EBNA, 293/EBNA-1, 298E

HEK293 EBNA

Age HEK293

Gender HEK293

Morphology HEK293

Growth properties HEK293

HEK293 EBNA

Citation HEK293 EBNA (HEK293 EBNA Cytion 300264)

Biosafety level 2

NCBI_TaxID 9606

CellosaurusAccession CVCL_6974

GMO Status GMO-S1: HEK293 EBNA is a derivative of HEK293 cells, which are a widely used cell line for the production of recombinant proteins. HEK293 EBNA cells are characterized by the presence of a latent Epstein-Barr virus (EBV) genome, which allows for the production of high yields of recombinant proteins. HEK293 EBNA cells are typically grown in the presence of antibiotics (penicillin and streptomycin) and are maintained in a serum-free medium.

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Antigen expression	EBNA1
Viruses	Adenovirus 5 (Adenovirus), EBV (EBNA1)
Media	
Culture Medium	DMEM, w: 4.5 g/L D-glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO3, w: 1.0 mM sodium pyruvate (Gibco Cytion 820300a)
Supplements	10% FBS
Dissociation Reagent	Trypsin
Subculturing	Cells are grown in 25 cm2 flasks in DMEM supplemented with 10% FBS. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks. The medium is changed to DMEM supplemented with 10% FBS.
Freeze medium	DMEM supplemented with 10% FBS + 10% DMSO
Thawing and Culturing Cells	1. Thaw cells in a 37°C water bath. 2. Add cells to a flask containing 10 ml of DMEM supplemented with 10% FBS. 3. Incubate cells in a 37°C incubator with 5% CO2. 4. Change the medium to DMEM supplemented with 10% FBS after 24 hours. 5. Seed cells into a 96-well plate at a density of 1 x 10^5 cells per well. 6. Incubate cells in a 37°C incubator with 5% CO2. 7. Harvest cells after 24 hours for analysis. 8. Repeat the process for the next experiment.
Incubation Atmosphere	37°C, 5% CO2, humidified

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Flask Coating

100 µg/ml

Freezing Procedure

1. Harvest cells by trypsinization and centrifugation at 300g for 5 min. 2. Wash cells with PBS. 3. Resuspend cells in freezing medium (DMEM + 10% FBS + 10% DMSO). 4. Aliquot cells into 1 ml vials. 5. Freeze cells at -80°C.

Shipping Conditions

1. Ship cells on dry ice. 2. Store cells at -80°C.

Storage Conditions

1. Store cells at -150 to -196 °C. 2. Do not thaw cells more than once.

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Sterility

1. Cells are supplied in a sterile, sealed vial. 2. Cells are free of mycoplasma contamination. 3. Cells are free of endotoxins. 4. Cells are free of PCR inhibitors.