

HEK293 EBNA | 300264

HEK293 EBNA

Description HEK293 EBNA is a HEK293 cell line stably transfected with EBNA1, EBNA2, EBNA3, EBNA3L1, EBNA-LMP1, and EBNA-LMP2. This cell line is used for the production of EBV (Epstein-Barr Virus) and EBV-associated antigens.

Organism HEK293

Tissue HEK293

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

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 genetically modified organism (GMO) because it contains a recombinant DNA construct (EBNA) derived from the Epstein-Barr Virus (EBV).

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Product sheet

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Antigen expression EBNA1

Viruses Adenovirus 5 (Ad5), 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 (Cytion 820300a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing Seed cells into 25 cm² flasks (T25) or 75 cm² flasks (T75) in 10% FBS medium. When cells reach 70-80% confluency, harvest cells by trypsinization.

Freeze medium 10% FBS + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells rapidly in a 37°C water bath.
 2. Centrifuge cells at 300 x g for 3 minutes.
 3. Wash cells in PBS with 37°C water bath.
 4. Resuspend cells in 70% FBS medium.
 5. Seed cells into 15 cm² or 75 cm² flasks.
 6. Incubate cells at 37°C in 5% CO₂.
 7. Monitor cell growth and harvest when cells reach 70-80% confluency.
 8. Harvest cells by trypsinization.

Incubation Atmosphere 37°C, 5% CO₂

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Flask Coating

Flask coating is not required for this product.

Freezing Procedure

For freezing, cells should be seeded at a density of 1.5 x 10⁶ cells per 150 cm² flask. Harvest cells at 70-80% confluency. Wash cells with PBS and harvest into 15 ml centrifuge tubes. Pellet cells by centrifugation at 300 x g for 5 minutes. Resuspend the pellet in 1 ml of freezing medium (DMEM supplemented with 10% FBS and 10% DMSO). Aliquot into 1 ml cryovials and store at -80°C.

Shipping Conditions

Shipping conditions: Dry ice, -78°C.

Storage Conditions

Storage conditions: -150 to -196 °C.

HLA

Sterility

The product is sterile and free of mycoplasmas. It is suitable for PCR and other applications. The product is stored in a sterile, sealed container.