

XXXXXX XXXXXX

QUESTION The following information was obtained from the records of the Department of Social Services regarding the number of children placed in foster care by county during the past year:

HEK293-VEGFR2 293 (HEK293) VEGFR2 PI3K/AKT, PLC γ , SRC. VEGFR2

HEK293-VEGFR2 [XXXXXXXXXX] [XXXXXXX] [XXXXX] [XXXXXX] [XXXXXXXXXXXX] [XXXXXXXXXX] [XXXXXXX] [XXXXXXX] [XXXXXXXXXX] [XXXXXXXXXXXX] [XXXXXXXXXX] -VEGF

Tissue XXXX XXXXXX

Disease / : (HEK293)

Applications

Synonyms	HEK293/VEGFR2
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XXXXXXXXXXXXXXXXXXXX

Age XXXX

Gender ☐ ☒ ☐ ☐ ☐Morphology

Cell type

Growth properties  

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Citation HEK293-VEGFR2 (XXXXXXXXXX Cyton: 305990)

Biosafety level	1
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HEK293-VEGFR2 | 305990

NCBI_TaxID 9606

CellosaurusAccession CVCL_D7C3

GMO Status GMO-S1: HEK293 cells expressing VEGFR2 (KDR/FLK-1) under the control of a CMV promoter.

HEK293-VEGFR2 (KDR/FLK-1)

Receptors expressed VEGFR2

HEK293

Culture Medium RPMI 1640, w: 2.0 mM $\text{CaCl}_2 \cdot \text{H}_2\text{O}$, w: 2.0 g/L NaHCO_3 (Cytion 820700a)

Supplements 10% FBS, 1 mM $\text{CaCl}_2 \cdot \text{H}_2\text{O}$, 10 mM HEPES, 1% NEAA. Geneticin (G418-Sulfat) 1 mg/ml

Dissociation Reagent EDTA

Doubling time 24–36 h

Subculturing Cells are grown in 25 cm² flasks. When cells reach 80–90% confluency, they are detached using EDTA and seeded into new flasks. Media is changed every 2–3 days.

Split ratio 1:5

Seeding density $2 \times 10^4 \times \frac{4}{10000}$ cells/cm²

Fluid renewal 2–3 times per week

Post-Thaw Recovery Cells are thawed in a water bath at 37°C and seeded into 25 cm² flasks. Media is changed every 24 hours. Cells are grown in 25 cm² flasks.

Freeze medium Cells are resuspended in freezing medium (10% FBS) + 10% DMSO and stored at -80°C.

HEK293-VEGFR2 | 305990

Thawing and
Culturing Cells

1. Remove the vial from liquid nitrogen storage, and immerse the vial in a water bath at 37°C for 1-2 minutes. Do not allow the vial to boil.
2. Remove the vial from the water bath, and immediately transfer the cells to a pre-warmed tube. Centrifuge at 300 x g for 3 minutes. Remove the supernatant, and resuspend the cells in 1 ml of pre-warmed medium.
3. Seed the cells into a pre-warmed well of a 96-well plate. Incubate at 37°C for 24 hours.
4. After 24 hours, the cells should be visible. If not, check the medium and the cells. If the cells are not growing, try to seed a higher concentration.
5. After 48 hours, the cells should be confluent. If not, check the medium and the cells. If the cells are not growing, try to seed a higher concentration.
6. After 72 hours, the cells should be confluent. If not, check the medium and the cells. If the cells are not growing, try to seed a higher concentration.
7. After 96 hours, the cells should be confluent. If not, check the medium and the cells. If the cells are not growing, try to seed a higher concentration.
8. After 120 hours, the cells should be confluent. If not, check the medium and the cells. If the cells are not growing, try to seed a higher concentration.

Incubation
Atmosphere

37°C, 5% CO₂, humidified air

Shipping
Conditions

Cells are shipped in a dry ice container. The container should be kept at -78°C until the cells are received.

Storage
Conditions

Cells should be stored at -150°C in liquid nitrogen. The storage time is up to 196 weeks.

HEK293-VEGFR2 | 305990

Sterility

Cells are tested for sterility using PCR. The results are available within 24 hours. The cells are sterile.