

HEK293-CLDN18.2 | 305986

HEK293-CLDN18.2

Description		HEK293-CLDN18.2 is a HEK293 cell line expressing CLDN18.2. The cells are grown in DMEM/F12 supplemented with 10% FBS. The cells are characterized by high transfection efficiency and stable expression of CLDN18.2. The cells are suitable for various applications including drug screening, protein production, and gene expression studies.
Organism		Human
Tissue		Epithelial
Disease		None (HEK293)
Applications		Drug screening, Protein production, Gene expression studies, ADCC/CDC, CAR-T/CAR-NK
HEK293-CLDN18.2		
Age		1-6
Gender		Male
Morphology		Epithelial
Cell type		Epithelial
Growth properties		High growth rate, Stable
HEK293-CLDN18.2		
Citation		HEK293-CLDN18.2 (HEK293-CLDN18.2) Cytion: 305986
Biosafety level		1
NCBI_TaxID		9606

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Thawing and
Culturing Cells

1. Remove the cryovial from liquid nitrogen storage, and immediately place it in a water bath at 37°C. Gently swirl the vial to thaw the cells.
2. Once thawed, transfer the cells to a pre-warmed tube containing 1 ml of complete medium. Centrifuge at 300 x g for 3 minutes.
3. Resuspend the cells in 1 ml of complete medium. Seed the cells into a 24-well plate (150,000 cells per well) or a 96-well plate (15,000 cells per well).
4. Incubate the cells at 37°C in 5% CO₂. The cells should reach 70% confluency within 24-48 hours.
5. Once cells are confluent, they can be used for experiments or passaged. For passaging, trypsinize the cells and seed them into new wells.
6. For long-term storage, harvest the cells and resuspend them in freezing medium. Store at -150°C.
7. The cells can be stored for up to 12 months. Thaw and culture as described above.
8. The cells are not recommended for use in clinical applications.

Incubation
Atmosphere

37°C, 5% CO₂, humidified

Shipping
Conditions

Cells are shipped in dry ice and should be stored at -78°C upon receipt.

Storage
Conditions

Cells can be stored at -150°C for up to 196 weeks. Thaw and culture as described above.

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Sterility

Cells are supplied as a suspension in complete medium. They are not tested for mycoplasma contamination. PCR testing is recommended for confirmation of cell identity and purity.