

HEK293-CLDN6 | 305985

HEK293-CLDN6

Description

HEK293-CLDN6 is a HEK293 cell line stably expressing claudin-6 (CLDN6). HEK293-CLDN6 cells are used for the study of claudin-6 function and its role in tight junction formation. HEK293-CLDN6 cells are derived from HEK293 cells (HEK293) and express claudin-6 (CLDN6). HEK293-CLDN6 cells are used for the study of claudin-6 function and its role in tight junction formation.

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Organism Human

Tissue Epithelial

HEK293-CLDN6

Age 1-3 years

Gender Male

Morphology Epithelial

Growth properties Adherent, Epithelial

HEK293-CLDN6

Citation HEK293-CLDN6 (HEK293-CLDN6) Cytion: 305985

Biosafety level 1

NCBI_TaxID 9606

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Receptors expressed CLDN6

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Culture Medium RPMI 1640, w: 2.0 mM β -mercaptoethanol, w: 2.0 g/L NaHCO₃ (Cytion 820700a)

Supplements 10% FBS, 1 mM β -mercaptoethanol, 10 mM HEPES, 1% NEAA. Geneticin (G418-Sulfat) 1 μ g/ml

Dissociation Reagent Trypsin-EDTA

Subculturing Seed cells into fresh medium. Wash cells with PBS. Add 2-3 ml of medium to each well.

Fluid renewal 2-3 times per week

Post-Thaw Recovery Seed cells into fresh medium. Wash cells with PBS. Add 2-3 ml of medium to each well.

Freeze medium DMEM + 10% FBS + 10% DMSO

Thawing and Culturing Cells

1. Thaw vials quickly in a 37°C water bath. Transfer cells to a pre-warmed medium.
2. Centrifuge cells at 300 x g for 3 minutes. Wash cells with PBS.
3. Resuspend cells in fresh medium. Seed cells into a 37°C incubator.
4. Monitor cell growth and morphology. Refresh medium when cells reach 70% confluency.
5. Pass cells when they reach 80-90% confluency. Use a 15 ml pipette to transfer cells.
6. Seed cells into a new well. Wash cells with PBS. Add 2-3 ml of medium to each well.
7. Monitor cell growth and morphology. Refresh medium when cells reach 70% confluency.
8. Pass cells when they reach 80-90% confluency. Use a 15 ml pipette to transfer cells.

Incubation Atmosphere 37°C, 5% CO₂, humidified

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Shipping Conditions

Store at -78°C

Storage Conditions

Store at -150 to 196°C

HEK293-CLDN6 / HEK293-CLDN6 / HLA

Sterility

PCR ready
No mycoplasma contamination