

HEK293-CXCR7 HEK293-CXCR7 | 305421

HEK293-CXCR7

Description

HEK293-CXCR7 is a HEK293 cell line stably expressing the human CXCR7 receptor. The cells are derived from HEK293 cells transfected with the CXCR7 cDNA. The cells are maintained in DMEM supplemented with 10% FBS. The cells are characterized by their high transfection efficiency and stable expression of the CXCR7 receptor. The cells are used for studying the signaling pathways of CXCR7 and for drug discovery.

Organism Human

Tissue HEK293

HEK293-CXCR7

Age 1-3 months

Gender Male

Morphology Adherent

Growth properties High growth rate

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Citation HEK293-CXCR7 (HEK293-CXCR7 | 305421)

Biosafety level 1

NCBI_TaxID 9606

GMO Status GMO-S1: HEK293 cells stably expressing CXCR7

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Receptors expressed CXCR7 (ACKR3)

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Culture Medium RPMI 1640 2.0 2.0 / NaHCO₃ (820700a)

Supplements 10% FBS 1% HEPES 1% NEAA. (G418)

Dissociation Reagent Trypsin-EDTA

Subculturing 1:2 to 1:5

Fluid renewal 2-3 times per week

Post-Thaw Recovery 1:2 to 1:3 in T25 flasks 24 hours

Freeze medium (10% FBS) + 10% DMSO

Thawing and Culturing Cells

1. Thaw cells in a 37°C water bath.
2. Dilute cells into 10ml of fresh medium.
3. Seed cells into a T25 flask.
4. Allow cells to recover for 24 hours.
5. Perform a fluid change.
6. Seed cells into a 300cm² flask.
7. Allow cells to reach 70% confluency.
8. Harvest cells.

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Incubation Atmosphere 37 °C, 5% CO₂, humidified

Flask Coating Cell culture medium

Freezing Procedure Harvest cells into 10 ml serum-supplemented medium, centrifuge at 300g for 5 min, resuspend in freezing medium, aliquot into 1 ml vials, freeze at -80 °C

Shipping Conditions Dry ice, -80 °C

Storage Conditions -150 °C to -196 °C

HLA

Sterility Sterile, PCR negative